DOCUMENT RESUME

ED 057 216 VT 014 259

TITLE	Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Fall 1971.
INSTITUTION	Ohio State Univ., Columbus. Center for Vocational and Technical Education.
SPONS AGENCY	Office of Education (DHEW), Washington, D.C.
PUB DATE	71
NOTE	214p.
AVAILABLE FROM	Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 (Quarterly, One year-$11.00, Two years-$18.00)
EDRS PRICE	MF-$0.65 HC-$9.87
DESCRIPTORS	*Abstracts; Clearinghouses; *Educational Research; *Indexes (Locaters); Information Dissemination; *Technical Education; *Vocational Education

ABSTRACT

This quarterly publication announces the availability of documents acquired and processed by the Educational Resources Information Center (ERIC) Clearinghouse on Vocational and Technical Education. It contains abstracts of research and other materials which are useful to researchers, supervisors, teacher educators, education specialists, administrators, teachers, and others who have an interest in vocational and technical education. The abstracts are organized in ascending VT-number order, and cover such subject areas as: administration and supervision, employment and occupations, individuals with special needs, research design, development and utilization and related research topics. Indexes provide the approach to the abstracts by (1) subject, (2) personal and institutional authors, and (3) document accession number with a table showing ED numbers for documents available through the ERIC Document Reproduction Service. Documents which do not have an individual ED number are available in a separate microfiche set from the ERIC Document Reproduction Service (VT 014 473). (CD)

ED057216

ABSTRACTS OF RESEARCH AND RELATED MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION

FALL 1971

ERIC
CLEARINGHOUSE ON
VOCATIONAL AND
TECHNICAL EDUCATION

1

VT014259

The Center for Vocational and Technical Education, an independent unit on The Ohio State University campus, operates under a grant from the National Center for Educational Research and Development, U.S. Office of Education. It serves a catalytic role in establishing consortia to focus on relevant problems in vocational and technical education. The Center is comprehensive in its commitment and responsibility, multidisciplinary in its approach and interinstitutional in its program.

The Center's mission is to strengthen the capacity of state educational systems to provide effective occupational education programs consistent with individual needs and manpower requirements by:

- Conducting research and development to fill voids in existing knowledge and to develop methods for applying knowledge.
- Programmatic focus on state leadership development, vocational teacher education, curriculum, vocational choice and adjustment.
- Stimulating and strengthening the capacity of other agencies and institutions to create durable solutions to significant problems.
- PROVIDING A NATIONAL INFORMATION STORAGE, RETRIEVAL AND DISSEMINATION SYSTEM FOR VOCATIONAL AND TECHNICAL EDUCATION THROUGH THE AFFILIATED ERIC CLEARINGHOUSE.

Abstracts of Research and Related Materials in Vocational and Technical Education

FALL 1971

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ERIC Clearinghouse on Vocational and Technical Education
The Center for Vocational and Technical Education
The Ohio State University
1900 Kenny Road, Columbus, Ohio 43210

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Abstracts of Research and Related Materials in Vocational and Technical Education is a quarterly publication (Fall, Winter, Spring, Summer) published by the ERIC Clearinghouse on Vocational and Technical Education. Subscriptions are $11.00, one year; $18.00, two years; and $27.00, three years. Send order to ERIC Clearinghouse, The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210. Contents of this publication may be reprinted freely without requesting permission, providing appropriate credit is given to the Clearinghouse.

PREFACE

Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) and the companion publication Abstracts of Instructional Materials in Vocational and Technical Education (AIM) announce the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. ARM incorporates abstracts of research and other materials which are useful to a wide audience of users such as researchers, supervisors, teacher educators, education specialists, administrators, teachers and others who have an interest in vocational and technical education. AIM includes abstracts of materials typically designed for teacher use or student use in the classroom, and annotations of bibliographies or lists of instructional materials. These publications prepared by the ERIC Clearinghouse on Vocational and Technical Education are published quarterly beginning with Fall 1967 issues.

The ERIC Clearinghouse on Vocational and Technical Education is a division of the Center for Research and Leadership Development in Vocational and Technical Education located at The Ohio State University and is one of the clearinghouses of the Educational Resources Information Center (ERIC-USOE). With the growth of vocational and technical education programs, there is an increasing need for accessible information that can be used in developing logical chains of reasoning for research activities, for improving school practices and for shortening the theory-practice gap. This Clearinghouse is striving to provide a useful and vital function in dissemination of information on vocational and technical education. ARM and AIM give visibility to a document-based information system which constitutes an on-going data bank of research and resource materials in vocational and technical education. Following are some of the benefits derived from this data base:

* A central source of information to be reviewed and synthesized into state-of-the-art papers, critical reviews, interpretive papers, etc.

* A resource which includes different kinds of materials, e.g., instructional materials, descriptive reports, survey reports, dissertations, conference proceedings, program plans or procedures, research reports.

* Provision for availability of primary source materials through the ERIC Document Reproduction Service (EDRS) and/or other distribution agencies.

* A source of bibliographies and a resource for development of bibliographies.

* A source of materials for different user groups (i.e., administrators, supervisors, teacher educators, teachers, legislative and advisory bodies) with information needs in such diverse areas as teaching and learning, manpower needs and requirements, research design and methodology, evaluation.

Since this Clearinghouse is a component of a larger information system, ERIC, it is logical that certain similarities among publications exist. In this regard the format of ARM and AIM is similar to that of Research in Education (RIE)[1], the primary publication of the Educational Resources Information Center (ERIC). RIE includes abstracts from all ERIC Clearinghouses. The abstracts of materials reported in ARM relate specifically to the educational field of vocational and technical education and constitute a segment of ERIC, the national information system for American education.

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[1]Research in Education is published 12 times a year. The first issue was no. 1, November 1966. Subscription: Domestic $21.00 a year; foreign $5.25 additional. Single copy: Domestic, $1.75. Send check or money order (no stamps) to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

In addition to the two quarterly publications, Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), and Abstracts of Instructional Materials in Vocational and Technical Education (AIM), other publications will be issued from time to time. These will typically concern themselves with reviewing and synthesizing information in specific areas of vocational and technical education, e.g., Review and Synthesis of Research in Technical Education; Agricultural Education; Home Economics, etc., and with reviewing and synthesizing information related to topical areas such as the economics of vocational and technical education.

We are indebted to our colleagues within the profession for their cooperation in forwarding materials to the clearinghouse and for their suggestions and comments which have materially assisted in the development of this program. We anticipate further refinement and improved procedures with the continued assistance of our advisory committee.

Robert E. Taylor
Director

INTRODUCTION

Organization of ABSTRACTS OF RESEARCH AND RELATED MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION

Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) is organized in two sections -- resumes and indexes -- to serve those seeking specific information. Resumes contain an abstract indicating the content of a document in 200 words or less, as well as various other information about each document as explained in a diagram on page x. Indexes provide specific approaches to documents reported in the resume section.

Beginning with this issue of ARM, both the resume and index sections have undergone several changes in the interest of increased utility for the user. The format of the resume section has been changed to a 2-column page, with resumes arranged in ascending VT (Vocational-Technical) number order throughout the resume section, and no longer separated into topical groupings. Vocational-Technical (VT) numbers are identification numbers assigned to documents as they are processed. Documents which have been pulled from RIE resume tapes appear in uppercase letters only.

The index section now consists of the following three indexes:

Subject and Identifier Index
Personal and Institutional Author Index
Conversion of Document Number Index (VT to ED or MP, ED or MP to VT)

All of the indexes refer to page numbers in this publication to enable the reader to quickly locate any resume of interest.

Availability of ARM

ARM is published quarterly (Fall, Winter, Spring, Summer). The first issue began Fall 1967. At this time the four issues for the period Fall 1967 - Summer 1968 and the AIM-ARM Annual Index, 1967-68 are available only on microfiche or facsimile copy. Annual subscriptions are available beginning with Fall 1968. Microfiche or facsimile for all previous issues may be ordered from ERIC Document Reproduction Service (EDRS), P.O. Drawer O, Bethesda, Maryland 20014. Please write to EDRS for order forms.

ED 013 336	Fall 1967 ARM	MF - $ .65	or	HC - $ 9.87
ED 015 335	Winter 1967 ARM	MF - $ .65	or	HC - $ 6.58
ED 016 875	Spring 1968 ARM	MF - $ .65	or	HC - $ 6.58
ED 019 525	Summer 1968 ARM	MF - $ .65	or	HC - $ 9.87
ED 022 064	AIM-ARM Annual Index 1967-68	MF - $ .65	or	HC - $ 6.58
ED 022 970	Fall 1968 ARM	MF - $ .65	or	HC - $ 9.87
ED 027 437	Winter 1968 ARM	MF - $ .65	or	HC - $ 9.87
ED 030 000	Spring 1969 ARM	MF - $ .65	or	HC - $ 9.87
ED 031 586	Summer 1969 ARM	MF - $ .65	or	HC - $ 9.87
ED 036 652	AIM-ARM Annual Index 1968-69	MF - $ .65	or	HC - $ 6.58
ED 033 247	Fall 1969 ARM	MF - $ .65	or	HC - $ 9.87
ED 036 654	Winter 1969 ARM	MF - $ .65	or	HC - $ 9.87
ED 039 367	Spring 1970 ARM	MF - $ .65	or	HC - $13.16
ED 042 036	Summer 1970 ARM	MF - $ .65	or	HC - $ 9.87
ED 042 929	AIM-ARM Annual Index 1969-70	MF - $ .65	or	HC - $ 6.58
ED 045 857	Fall 1970 ARM	MF - $ .65	or	HC - $19.74
ED 048 516	Winter 1970 ARM	MF - $ .65	or	HC - $ 9.87
ED (See Sept. '71 RIE)	Spring 1971 ARM	MF - $ .65	or	HC - $ 9.87

Subscriptions for hard copy may be initiated with the Fall 1968 issue, or subsequent issues. Send order indicating quarter and year that subscription is to begin to:

AIM-ARM
ERIC Clearinghouse
The Center for Vocational and Technical Education
1900 Kenny Road
Columbus, Ohio 43210

Availability of Materials Reported in ARM

A basic concept of the ERIC system is to make known the availability of the full text of materials abstracted. Most of the materials processed into the ERIC system with an ERIC Document (ED) number will be available from the ERIC Document Reproduction Service (EDRS) in the form of microfiche or facsimile copy. There is an EDRS availability line with each abstract which indicates if a document may be obtained from EDRS. If a document is not available from EDRS, the agency and address from which the document may be obtained is in the resume. Microfiche or facsimile copy must be ordered by ED (ERIC Document) number since EDRS is not set up to respond to requests for materials by subject, author, or title. AIM and ARM indexes can be used to determine ED numbers which relate to problem areas. Always check the most current issue of RIE for the latest price schedules and ordering procedure for microfiche (MF) and facsimile copy, called hard copy (HC).

Materials with ED numbers are announced in Research in Education (RIE) as well as AIM or ARM. These are available as individual documents through EDRS or another source. Documents with VT numbers only are not announced in RIE but are included in AIM and ARM. They are not available as individual documents from EDRS but as part of a VT-ERIC set. Microfiche for an individual document in one of these sets is obtainable only through purchase of the set or from agencies that have this set and have the capability of reproducing microfiche. Reports in these sets are identified in a resume by the phrase MF AVAILABLE IN VT-ERIC SET. The documents are grouped in VT number sequence in the microfiche set for each issue of AIM or ARM. Each set is announced in RIE under a single (ED) number. The Fall 1967 - Summer 1968 Microfiche Collections contain documents with VT numbers only and ED documents. Beginning with Fall 1968, the microfiche set contains the documents which have only VT numbers. Thus the microfiche collection for a particular issue of ARM now contains the items in that issue of ARM which have the statement, MF AVAILABLE IN VT-ERIC SET, in the resume. These sets may be ordered from EDRS. Information to be used in ordering the sets for ARM follows:

ARM Microfiche Collections

ARM	ED Number	Microfiche
Fall 1967	ED 013 338	$20.02
Winter 1967	ED 015 348	$23.10
Spring 1968	ED 016 876	$33.66
Summer 1968	ED 019 526	$63.36
Fall 1968	ED 022 065	$ 4.84
Winter 1968	ED 027 441	$30.36
Spring 1969	ED 030 001	$22.00
Summer 1969	ED 031 587	$23.54
Fall 1969	ED 033 237	$ 7.48
Winter 1969	ED 036 657	$27.94
Spring 1970	ED 039 370	$30.80
Summer 1970	ED 042 060	$28.16
Fall 1970	ED 045 860	$66.66
Winter 1970	ED 049 385	$36.08
Spring 1971	ED (See Sept. '71 RIE)	$33.88

The prices quoted above reflect a new price schedule in effect for VT-ERIC microfiche collections as of June 1971.

It should be noted that organizations which have standing orders with EDRS for the total microfiche collections in RIE will automatically receive the ARM and AIM microfiche collections. If an organization wishes to order only the materials abstracted by VT-ERIC which are announced in RIE and are on microfiche, a standing order may be initiated with EDRS for a VT-ERIC package. This package will automatically include the ARM and AIM microfiche collections. Contact EDRS for information about cost of current or retrospective VT-ERIC packages.

Availability Key for Materials Reported in ARM

Accession Number	Availability on Microfiche
ED number supplied	ERIC Document Reproduction Service (EDRS) provided that the information is shown on EDRS price line.
ED appears with reference to an RIE issue, e.g., ED(See Aug. '69 RIE)	If a price is given for microfiche, the fiche is unavailable from EDRS (at time of printing) until an ED number is assigned and published in RIE. The issue of RIE in which the abstract is scheduled to appear follows the ED prefix. After assignment of numbers has been made by Central ERIC, the Conversion of Document Number Index in each succeeding issue of ARM will include numbers for documents listed with an ED and RIE date in the previous issue.
VT number only supplied	Available on microfiche in VT-ERIC set from EDRS as indicated.

Items not available through EDRS or in a VT-ERIC set will usually have a source of availability cited on the availability line in the resume.

ERIC Document Reproduction Service (EDRS)

The ERIC Document Reproduction Service (EDRS) is operated by Leasco Information Products, Inc. (LIPCO). Request order forms from:

ERIC Document Reproduction Service (EDRS)
P.O. Drawer O
Bethesda, Maryland 20014

Prices for microfiche and/or hard copy undergo occasional changes which become effective when announced in Research in Education. EDRS prices cited in ARM and AIM reflect the prices in effect at the time of publication. Retrospective use of ARM and AIM requires attention to the most recent price schedules and ordering information which is available in a current issue of RIE.

Scope of the Clearinghouse

The Clearinghouse on Vocational and Technical Education is responsible for acquiring, processing, and disseminating through the ERIC system, research reports, instructional materials, information analysis products and other resource materials related to vocational and technical education. In addition to this general area, coverage includes the specific occupational fields of agricultural education, business and office occupations

education, distributive education, health occupations education, home economics education, technical education, trade and industrial education, and new sub-professional fields. The clearinghouse scope also encompasses the related fields of industrial arts education, manpower economics, occupational psychology, and occupational sociology. The following subject categories when specifically oriented to vocational-technical education and its related fields are included in the scope of the Clearinghouse: administration and supervision, curriculum, employment and occupations, evaluation and measurements, facilities and equipment, historical studies, individuals with special needs, instructional materials and devices, philosophy and objectives, research design and development, occupational guidance and other student personnel services, students, teachers, teacher education, teaching and learning.

Acquisitions

The adequacy of information in this publication, as well as other services of this Clearinghouse, is directly related to the extensiveness of the information acquired and processed into the system. This Clearinghouse has assumed the initiative in obtaining as much of the available information as possible. However, it is impossible for any organization to achieve complete and comprehensive coverage of a field as vast as vocational education without the cooperation and assistance of the profession. The growth and ultimate effectiveness of the system require supplemental efforts of its users. Any person in the vocational or technical field is invited to forward to the Clearinghouse two copies of items relating to vocational-technical education for possible inclusion in the system. Questions relating to this endeavor should be directed to the Acquisitions Specialist at the Clearinghouse.

Abbreviations

AIM	Abstracts of Instructional Materials in Vocational and Technical Education
ARM	Abstracts of Research and Related Materials in Vocational and Technical Education
ED	ERIC Document
EDRS	ERIC Document Reproduction Service
ERIC	Educational Resources Information Center
HC	Hard Copy
MF	Microfiche
MP	Manpower
RIE	Research in Education
VT	Vocational-Technical

SAMPLE RESUME

Accession Number--an identification number sequentially assigned to reports as they are processed.

Author(s)--the individual(s) who prepared the report.

EDRS Price--price of the document through the ERIC Document Reproduction Service. "MF" means microfiche; "HC" means hardcopy.

Report Number would appear here.

If item cited appeared originally in a journal, a journal citation would appear here.

Publication Date.

Total number of printed pages in the report, including cover and appendices.

Identifiers would appear here. These are acronyms, geographical areas, conferences, organizations, tests (e.g. Binet), etc. Only the major identifiers preceded by an asterisk are printed in the index.

Abstract--a condensation of the report in about 200 words. When applicable, it includes the purpose, procedure, results, and conclusions of the research activity.

VT 004 376 ED 020 326

Asbell, Bernard

New Directions in Vocational Education, Case Studies in Change.

Office of Education (DHEW), Washington, D.C. Bureau of Research

EDRS PRICE MF-$0.50 HC NOT AVAILABLE FROM EDRS.

OEC-1-6-004-32-0432

OE-80047

Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (FS5.280:80047, $.30).

Pub Date - 67 61p.

Descriptors - *CASE STUDIES (EDUCATION); ADOPTION (IDEAS); *EDUCATIONAL CHANGE; TECHNICAL EDUCATION; *VOCATIONAL EDUCATION; AREA VOCATIONAL SCHOOLS; SLOW LEARNERS; PARAMEDICAL OCCUPATIONS; OCCUPATIONAL CLUSTERS; POST SECONDARY EDUCATION; EDUCATIONAL INNOVATION

Identifiers - SAN FRANCISCO; CALIFORNIA; *RICHMOND PRETECHNICAL PROGRAM; OHIO; GEORGIA; PHOENIX; ARIZONA; QUINCY; MASSACHUSETTS

Abstract - In recent efforts of the U.S. Office of Education to bridge the gap between development and adaptation of educational practice, visibility has been given to communities which have introduced new curriculums, teaching methods, and institutional patterns. Five locally initiated programs which have attempted to provide a flexibility of the educational system.....
.....and education leaders at state and local levels. Quincy, Massachusetts, is an example of a city in which vocational education has shifted from training for a single skill to preparing individuals for a cluster of occupational skills. (JM)

If ED is followed by numbers, item has been announced in Research in Education. If ED is not followed by numbers, the issue of RIE in which the abstract is scheduled to appear follows the ED prefix.

Title of report.

Institutional Source--the organization responsible for the report.

Sponsoring Agency--would appear here if different than Institutional Source.

Grant Number and Program Area Number would appear on this line.

Commercial, institutional, and other sources of availability if known at time of printing. Cost is included.

Descriptors--the subject terms assigned by an indexer to characterize the contents of a report. Only the major terms, those preceded by an asterisk, are printed in the index.

Abstractor's Initials.

Availability Key for Materials Reported in ARM

Accession Number:	Availability on Microfiche
ED number supplied	ERIC Document Reproduction Service (EDRS) provided the information is shown on EDRS price line.
ED appears with reference to an RIE issue (e.g., ED (See Aug. '69 RIE)	If a price is given for microfiche, the fiche is unavailable from EDRS (at time of printing) until an ED number is assigned and published in RIE. The issue of RIE in which the abstract is scheduled to appear follows the ED prefix. After assignment of numbers has been made by Central ERIC, the Conversion of Document Number Index in each succeeding issue of ARM will include numbers for documents listed with an ED and RIE date in the previous issue.
VT number only supplied	Available on microfiche in VT-ERIC set from EDRS as indicated.
Items not available through EDRS or in a VT-ERIC set will usually have a source of availability cited on the availability line in the resume.	

ERRATA

Several VT resumes in this issue include an incorrect availability statement. The correct availability statement for these documents is:

University Microfilms, Inc.
P.O. Box 1764
Ann Arbor, Michigan 48106

Following are the VT Numbers of these documents and their page locations in ARM Fall 1971:

VT 012 004	p. 15
VT 012 060	p. 19
VT 012 445	p. 39
VT 012 462	p. 40
VT 012 483	p. 43
VT 012 558	p. 49

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ABSTRACTS

VT 001 874
Practical Nursing Education. A Guide to the Improvement of Classroom Teaching and Testing. Pamphlet No. 2.

National Association for Practical Nurse Education and Service, Inc., New York, N.Y.
DOCUMENT NOT AVAILABLE FROM EDRS.
National Association for Practical Nurse Education and Service, Inc., 535 Fifth Avenue, New York, New York 10017.
PUB DATE - 67 48p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; *PRACTICAL NURSING; TEACHER IMPROVEMENT; *EFFECTIVE TEACHING; TEACHING METHODS; COURSE OBJECTIVES; COURSE CONTENT; *EDUCATIONAL PLANNING; UNIT PLAN; *STUDENT EVALUATION; EVALUATION TECHNIQUES; TEST CONSTRUCTION

ABSTRACT - This publication was prepared by the National Association for Practical Nurse Education and Service to help teachers provide effective classroom instruction and evaluate student achievement. Part I, Developing Teaching Plans, contains suggestions and examples of using program objectives, developing course objectives, planning course content, teaching methods, and completing lesson plans. Part II, Developing and Using Written Tests, stresses the importance of evaluation and contains suggestions for developing plans, writing test items, providing for discrimination, scoring and grading, and using tests as guidelines for teaching. A selected bibliography is included. (SB)

VT 003 430 ED 050 225
Songe, Alice
Vocational Education--An Annotated Bibliography of Selected References, 1917-1966 (Below College).

Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
OE-80046
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (FS5.280:80046, $.30).
PUB DATE - 67 45p.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; BOOKS; PERIODICALS; DOCTORAL THESES; *SUBJECT INDEX TERMS; *VOCATIONAL EDUCATION

ABSTRACT - This annotated bibliography, listing sources which trace the history of vocational education from the early 20th century to the close of 1966, is divided into three parts: (1) books and monographs, (2) periodical articles, and (3) doctoral dissertations. Citations contained in each of the three parts are arranged alphabetically and include materials developed from 1917 through 1966. Individual entries include author, title, place of publication, year, page listing, volume and issue number (for periodicals), and an annotation. Emphasis is placed on vocational education in general and the teaching of vocational and technical education, and is intended for use by teachers, researchers, and administrators. A subject index is included. (GEB)

VT 005 614
Lamb, Jean; Reber, Ray
Correspondence Unit as Used in Typing Audio Lab.

Abington High School, Pa. Business Education Dept.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 25Jul67 14p.

DESCRIPTORS - *BUSINESS EDUCATION; JOB SKILLS; *TYPEWRITING; WORK ATTITUDES; *ACADEMIC ACHIEVEMENT; *AUDIO ACTIVE LABORATORIES; TAPE RECORDINGS; SECONDARY EDUCATION; *PILOT PROJECTS; TESTS

ABSTRACT - This pilot project was prompted by the belief that students in an electronic audio lab will learn to type as well or better than students in a traditional typing classroom. Using grades as a method of analysis the six students in the experimental group did receive higher grades on individual lessons but lower grades on the tests. However, observations indicated that the students in the experimental group concentrated more closely on their work and were less easily distracted. This project indicates that taped instruction provides excellent training in the fundamental typing skills as well as the development of desirable attitudes and work skills. (Author/JS)

VT 006 122 ED 050 226
Sanders, Lester E.
A Comparison of Two Methods of Preparing Youth for Employment: Cooperative Occupational Education Versus the Preparatory Vocational-Technical School.

Missouri Univ., Columbia. Dept. of Practical Arts and Vocational-Technical Education.
Missouri State Dept. of Education, Jefferson City.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 67 26p. Summary of Ed.D. dissertation; Missouri Univ., 1967.

DESCRIPTORS - *COOPERATIVE EDUCATION; *WORK EXPERIENCE; *TRADE AND INDUSTRIAL EDUCATION; *PROJECT TRAINING METHODS; FOLLOWUP STUDIES; *CURRICULUM EVALUATION; DOCTORAL THESES; COST EFFECTIVENESS; EMPLOYER ATTITUDES; STUDENT ATTITUDES; JOB SKILLS; JOB PLACEMENT; WAGES; COCURRICULUM ACTIVITIES; PARENT ATTITUDES
IDENTIFIERS - SPRINGFIELD; MISSOURI

ABSTRACT - To analyze and compare the cooperative occupational education and vocational-technical school programs and graduates in the Springfield, Missouri, public schools, information forms were sent to: (1) 268 graduates of the cooperative occupational education programs and 417 graduates of the vocational-technical school for the years 1961-1965, (2) their parents, and (3) present and past employers. Some conclusions were: (1) Vocational-technical programs seemed to have greater impact in maintaining student interest and improving

attitudes towards school, (2) Cooperative education graduates emphasized the development of desirable personal-social characteristics and vocational-technical graduates emphasized job skills and related knowledge, (3) Transition from school to full-time employment is made more quickly and easily through cooperative education programs, (4) A majority of vocational-technical graduates took advantage of unsupervised work experience programs while in high school, (5) After a period of adjustment, the vocational-technical graduates tended to return to the occupation for which they were trained in greater numbers, and (6) Cooperative education graduates tended to demonstrate more desirable personality traits, work habits, and a higher degree of occupational competency. (DM)

VT 007 470
The Development of a Total Program of Education for the World of Work. Part I: Rationale and Proposal for Involvement of Schools.

Delaware Occupational Research and Coordinating Unit, Dover.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 68 25p.

DESCRIPTORS - *EDUCATIONAL PHILOSOPHY; *EDUCATIONAL OBJECTIVES; *VOCATIONAL EDUCATION; *CAREER PLANNING; PROGRAM DEVELOPMENT; OCCUPATIONAL INFORMATION; ELEMENTARY SCHOOL CURRICULUM; HIGH SCHOOL CURRICULUM; EDUCATIONAL PLANNING; GUIDANCE FUNCTIONS; INDUSTRIAL ARTS; POST SECONDARY EDUCATION
IDENTIFIERS - *WORLD OF WORK

ABSTRACT - The primary objective of this program is the preparation of individuals to cope with their physical, social, and political environment. Starting with kindergarten, the plan progresses on a graded or ungraded basis in developing the basic skills and social attitudes through instruction related to the world of work. At the high school level, the student can continue education aimed at later gainful employment, or he can immediately begin preparation for the world of work. All of this should leave open the possibility of entrance into colleges or universities. Also the student, after completion of the secondary education phase, could enter training as a foreman--supervisory, or possibly take trade--extension courses. Recommendations for developing a total program of education for the world of work are outlined. Future companion publications on curriculum development and teacher training, and a facilities and equipment guide are proposed. (GEB)

VT 008 016
Berman, Abraham J., And Others
Manpower Directions in New York State, 1965-1975. Volume I.

New York State Dept. of Labor, Albany. Research and Statistics Office.
MF AVAILABLE IN VT-ERIC SET.
Special Bull. 241
Publications Unit, Research and Statistics Office, New York State Department of Labor, State Office Building, Albany, New York 12201 ($1.00).
PUB DATE - Mar68 97p.

DESCRIPTORS - *MANPOWER NEEDS; *MANPOWER UTILIZATION; *EMPLOYMENT TRENDS; OCCUPATIONAL CLUSTERS; MANPOWER DEVELOPMENT; EMPLOYMENT PATTERNS; EMPLOYMENT QUALIFICATIONS; WORKING WOMEN
IDENTIFIERS - *NEW YORK

ABSTRACT - Major changes are expected during the 1965-1975 decade in the labor force of New York State and in the manpower needs of New York State employers. There will be over a million new jobs by 1975; over 2 million existing jobs will become vacant through deaths and retirements. Most of these 3 million jobs will require some special vocational training and many of them will require training and education beyond high school. The additions to the labor force during the decade will consist primarily of young people under 25 and women 45 or over. During the decade, about 3,030,000 new persons are expected to enter the labor force in New York State. Of these, 1,985,000 will take the place of persons who have died or retired. The difference between the two figures is the expected net rise in the civilian labor force--1,045,000. Approximately 52 percent of the 3,030,000 new entrants will be men. In 1975 about 1,800,000 (59 percent) of the new entrants will be under 25. Extensive tables present the data. Volume II of this study, containing tables of estimates for each of the major areas of the state, is available as VT 008 017, also in this issue. (CH)

VT 008 017
Berman, Abraham J., And Others
Manpower Directions in New York State, 1965-1975. Job Requirements and Labor Force. Volume II: Areas of the State.

New York State Dept. of Labor, Albany. Research and Statistics Office.
MF AVAILABLE IN VT-ERIC SET.
Special Bull. 241
PUB DATE - Mar68 286p.

DESCRIPTORS - *MANPOWER NEEDS; *MANPOWER UTILIZATION; *EMPLOYMENT PROJECTIONS; EMPLOYMENT PATTERNS; *LABOR FORCE; EMPLOYMENT TRENDS; OCCUPATIONS; INDUSTRY; *EMPLOYMENT STATISTICS; STATE SURVEYS; INDIVIDUAL CHARACTERISTICS
IDENTIFIERS - NEW YORK

ABSTRACT - In projecting manpower requirements by occupations for localities in New York State, calculations were made of past relations between employment trends by industry for the state and corresponding industry trends for the given area. These were then applied to the industry projections for the state. An industry-occupation matrix was applied to the resulting area-industry

projections to derive the occupational projections. The matrix used for an area was an adaptation of the statewide matrix. In all cases the area figures added up to the state totals. Local area estimates should be used with caution because (1) Labor force and industry movements within the state affect estimates, (2) Some state-wide data was not available broken down by area, (3) In an area with a small labor force, the entry of one industry may upset the area projections. A related document is VT 008 016, also in this issue. (CH)

VT 008 440 ED 033 194
SHAPOVALENKO, S.G., ED.
POLYTECHNICAL EDUCATION IN THE U.S.S.R.
MONOGRAPHS ON EDUCATION-III.

UNITED NATIONS EDUCATIONAL, SCIENTIFIC, AND CULTURAL ORGANIZATION, PARIS (FRANCE).
DOCUMENT NOT AVAILABLE FROM EDRS.
UNIPUB, INC., P.O. BOX 433, NEW YORK, NEW YORK 10016 ($3.50)
PUB DATE - 63 443P.

DESCRIPTORS - COCURRICULAR ACTIVITIES; CURRICULUM; *EDUCATIONAL CHANGE; *FOREIGN COUNTRIES; GENERAL EDUCATION; PHYSICAL FACILITIES; PREVOCATIONAL EDUCATION; TEACHER EDUCATION; *TECHNICAL EDUCATION; *VOCATIONAL EDUCATION
IDENTIFIERS - *UNION OF SOVIET SOCIALIST REPUBLICS

ABSTRACT - IMPORTANT CHANGES IN SOVIET EDUCATION SINCE THE 1958 REFORM HAVE BEEN DESCRIBED IN DETAIL BY STAFF AND MEMBERS OF THE ACADEMY OF PEDAGOGICAL SCIENCES OF THE RUSSIAN SOVIET FEDERATIVE SOCIALIST REPUBLIC. CHAPTERS INCLUDE: (1) MARXIST-LENINIST IDEAS AND POLYTECHNICAL EDUCATION, (2) SOVIET EXPERIENCE IN POLYTECHNICAL EDUCATION BEFORE THE REFORM, (3) THE REORGANIZATION OF GENERAL SECONDARY EDUCATION, (4) CREATION OF THE MATERIAL AND TECHNICAL BASIS FOR COMMUNISM, (5) THE NEW CURRICULA AND SYLLABUSES AS THE BASIS FOR POLYTECHNICAL EDUCATION, (6) THE TASKS, PRINCIPLES AND SCOPE OF POLYTECHNICAL EDUCATION IN SOVIET SCHOOLS, (7) METHODS AND FORMS OF ORGANIZATION OF POLYTECHNICAL EDUCATION, (8) THE ROLE OF OUT-OF-CLASS AND OUT-OF-SCHOOL WORK IN THE POLYTECHNICAL EDUCATION OF SCHOOLCHILDREN, (9) THE EDUCATIONAL VALUE OF POLYTECHNICAL TRAINING, (10) THE MATERIAL FACILITIES OF POLYTECHNICAL EDUCATION IN SOVIET SCHOOLS, AND (11) THE TRAINING OF TEACHERS FOR POLYTECHNICAL EDUCATION. REMAINING CHAPTERS DEAL WITH POLYTECHNICAL EDUCATION AS ILLUSTRATED IN THE TEACHING OF INDIVIDUAL SUBJECTS SUCH AS THE SCIENCES, HISTORY, AND ENGINEERING PRACTICE. (JK)

VT 008 571
A Blueprint for the Training of School Lunch Personnel in the Indiana Public Schools.

Indiana Research and Development Coordinating Unit for Vocational and Technical Education, Terre Haute.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 68 25p.

DESCRIPTORS - *OCCUPATIONAL HOME ECONOMICS; SERVICE OCCUPATIONS; *LUNCH PROGRAMS; *FOOD SERVICE WORKERS; NUTRITION INSTRUCTION; FOODS INSTRUCTION; PROGRAM ADMINISTRATION; *ADULT VOCATIONAL EDUCATION; *PROGRAM GUIDES; PROGRAM DESCRIPTIONS; PILOT PROJECTS
IDENTIFIERS - INDIANA SCHOOL LUNCH PROGRAM

ABSTRACT - As an aid to school administrators, the School Lunch Division of the Department of Public Instruction prepared a blueprint for the training of school personnel. The plan proposes to supplement the usual and necessary orientation program or on-the-job training with indepth training and education. The training offered through the blueprint has been pretested in two pilot programs which were held at New Castle and at Indianapolis, both of which trained area personnel in a basic nutrition course offered by well qualified instructors. The local school lunch fund financed the training program. Administrative procedures and policies are suggested to develop and initiate a school lunch personnel training program. (FP)

VT 009 178
Ohio Employment Information Series: Part II, Training Directory, 1969.

Ohio State Bureau of Employment Services, Columbus.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 68 158p.

DESCRIPTORS - *DIRECTORIES; OCCUPATIONAL INFORMATION; *TRAINING; *PROGRAM DESCRIPTIONS; ADULT VOCATIONAL EDUCATION; VOCATIONAL EDUCATION; APPRENTICESHIPS; CORRESPONDENCE COURSES; CURRICULUM; JOB TRAINING; *OCCUPATIONAL GUIDANCE; *POST SECONDARY EDUCATION; SECONDARY EDUCATION; STATE PROGRAMS; FEDERAL PROGRAMS
IDENTIFIERS - *OHIO

ABSTRACT - This directory lists training programs available through public and private facilities in Ohio. The types of programs described herein include those offered in colleges and universities, in business schools, through apprenticeship training, through home study schools, those available through special vocational education programs, and several federal and state funded training and employment programs. This directory should be useful to employment services personnel, junior and senior high school counselors, and public librarians with needs for occupational information, and should be supplemented with current local information. This directory replaces the 1968 issue, which is available as ED 025 610 (May 1969 RIE). Parts I and III of the directory are available as ED 025 609 and ED 025 611 (VT 006 275 and VT 006 277, respectively, both in ARM Fall 1970). (CH)

VT 009 597
Communication: Effective Application of Innovative Teaching Media.

Ball State Univ., Muncie, Ind. Dept. of Business Education and Office Administration.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 68 20p.Proceedings of the 45th Annual Business Education Conference and the 29th Annual Business Education Exhibit (November 15-16, 1968).

DESCRIPTORS - *BUSINESS EDUCATION; *INSTRUCTIONAL MATERIALS; *CONFERENCE REPORTS; *COMPUTERS; *SYSTEMS APPROACH; TELEVISED INSTRUCTION; TRANSPARENCIES; EDUCATIONAL INNOVATION
IDENTIFIERS - *FORTY FIFTH ANNUAL BUSINESS EDUCATION CONFERENCE AND THE 29TH ANNUAL BUSINESS EDUCATION EXHIBIT, NOVEMBER 15-16, 1968, MUNCIE, INDIANA

ABSTRACT - At the 2-day conference, business education teachers were encouraged to improve their classroom performance by innovatively using teaching media such as closed circuit television, transparencies, and models. New developments identified as having significant importance to business education were the computer and the systems approach to curriculum development. Presentations were: (1) "This Age of Acceleration" by P. Pair, (2) "Television for Teaching Skills" by M. Betterman, (3) "Now! Transparencies Show This" by R. Swanson, (4) "The Therapy of Laughter" by J. Wick, (5) A television program "Roads to Learning--The Hagerstown VE Program," (6) "A Five-and-Ten Addition to Transparencies" by F. Schmidt, (7) "New Developments in Business Education," a telelecture by P. Bangs, and (8) "We Pierce the Wall" by L. Hollis. (JS)

VT 009 757
Graduate Follow Up; Statistical Data on Connecticut Students Completing Vocational Programs in 1968.

Connecticut State Dept. of Education, Hartford. Div. of Vocational Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 58p.

DESCRIPTORS - *FOLLOWUP STUDIES; *VOCATIONAL EDUCATION; SECONDARY EDUCATION; POST SECONDARY EDUCATION; *STATE SURVEYS; TABLES (DATA); GRADUATE SURVEYS; *EMPLOYMENT PATTERNS; PLACEMENT; WORK EXPERIENCE PROGRAMS; *VOCATIONAL FOLLOWUP; WAGES; UNEMPLOYMENT
IDENTIFIERS - CONNECTICUT

ABSTRACT - Placement data for all seven vocational fields and the diversified work experience program are presented in tabular form for graduates of vocational-technical and local high schools and technical, community, and 4-year state colleges. Of the graduates from 143 schools who were available for placement, 83.7 were employed in occupations for which they were trained or in related occupations at an average hourly wage of $2.08. Graduates employed in non-related occupations numbered 12.6 percent, graduates continuing their education on a full-time basis represented 29.8 percent, and only 127 graduates, or 1.2 percent, were unemployed. (CH)

VT 009 922 ED 034 874
Horyna, Larry L., And Others
Working, Learning and Career Planning: A Cooperative Approach to Human Resource Development.

Rocky Mountain Educational Lab., Inc., Greeley, Colo.
Office of Education (DHEW), Washington, D.C. Bureau of Research
EDRS PRICE MF-$0.65 HC-$3.29
OEC-4-7-062828-30-63 24
BR-6-2828
PUB DATE - Aug69 38p.

DESCRIPTORS - *HUMAN RESOURCES; *MANPOWER DEVELOPMENT; *EDUCATIONAL CHANGE; *PUBLIC SCHOOLS; *CAREER PLANNING; VOCATIONAL EDUCATION; EDUCATIONAL INNOVATION; EDUCATIONAL PHILOSOPHY; MODELS; EDUCATIONAL OBJECTIVES; PROGRAM EVALUATION; BIBLIOGRAPHIES
IDENTIFIERS - *COOPERATIVE CAREER PLANNING; CCP

ABSTRACT - As an approach to solving the problem of under-utilization of human resources, the Cooperative Career Planning (CCP) concept stresses the role of the public school system in the coordination of available educational resources with potential job-training work stations in a given community or geographic area. In this way the community could become a laboratory for learning experiences available to everyone, regardless of age or socioeconomic condition. This position paper presents a brief review of existing manpower programs and policies, proposed objectives and organizational structure of the CCP, a model for evaluation, and a selected bibliography. A related document is available as ED 034 881 or VT 009 940 (also in this issue). (CD)

VT 009 939 ED 034 880
Occupational Education Program; Image of the World of Work, Volume I. Description of Teacher Orientation Activities, Treatment Description.

Rocky Mountain Educational Lab., Inc., Greeley, Colo.
Colorado State Univ., Ft. Collins.
Office of Education (DHEW), Washington, D.C. Bureau of Research
EDRS PRICE MF-$0.65 HC-$6.58
OEC-4-7-062828-30-63 24
BR-6-2828
PUB DATE - Aug69 130p.

DESCRIPTORS - *VOCATIONAL DEVELOPMENT; *JUNIOR HIGH SCHOOL STUDENTS; *TEACHER ORIENTATION; *INTEGRATED CURRICULUM; *CAREER PLANNING; CHANGING ATTITUDES; EDUCATIONAL PLANNING; EDUCATIONAL INNOVATION; VOCATIONAL EDUCATION; TEACHER SEMINARS; INSERVICE TEACHER EDUCATION; MODELS; TEACHING GUIDES; QUESTIONNAIRES

ABSTRACT - The objective of this first phase of the occupational education program was to influence work-relevant attitudes, concepts, and information through 89 teachers and principals representing 11 junior high

schools and eight states. The junior high schools ranged in size from small to large, in locale from isolated to urban and suburban. The pupil population of the schools included various concentrations of ethnic and socioeconomic groups. The series of teacher orientation conferences resulted in guidelines for the assessment of progress toward the objectives of the Image of the World of Work program, a list of concerns most frequently noted, and objectives for a series of followup meetings. A wide variety of material used in the program, bibliographies, and related information are appended. Volumes II and III are available as ED 034 885 or VT 009 986 and ED 034 884 or VT 009 985 respectively (both in this issue). "The World of Working and Learning," a position paper which provides an overview of all three phases of the project, is available as ED 034 881 or VT 009 940 (also in this issue). (CH)

VT 009 940 ED 034 881
Bush, Donald O., And Others
The World of Working and Learning.

Rocky Mountain Educational Lab., Inc., Greeley, Colo.
Office of Education (DHEW), Washington, D.C.
Bureau of Research
EDRS PRICE MF-$0.65 HC-$3.29
OEC-4-7-062828-30-63 24
BR-6-2828
PUB DATE - Jun69 24p.

DESCRIPTORS - *CAREER PLANNING; *VOCATIONAL EDUCATION; *GENERAL EDUCATION; *INTEGRATED CURRICULUM; *MODELS; EDUCATIONAL PLANNING; EDUCATIONAL INNOVATION; VOCATIONAL DEVELOPMENT; EVALUATION; LEARNING; COOPERATIVE EDUCATION

ABSTRACT - This position paper presents guidelines for an approach to career planning which integrates educational experiences with the world of work and job requirements, based on models developed in 1968 for the purpose of planning the "Image of the World of Work" program. It provides the rationale and the application of the models for general work-production and presents a guide for planning, work process, and evaluation. The three components of the occupational education program are: (1) "The Image of the World of Work," designed to help teachers emphasize work-relevant attitudes and occupational information throughout a student's total school experience, (2) The Occupational Clusters Curriculum, designed to create and test a scheme for the development of occupational education curriculums based on a career cluster concept at secondary school level, and (3) Cooperative Career Planning, a concept which stresses coordination of all relevant community resources so that all individuals might have the opportunity for job entry, continuous education, and upward occupational mobility. Related documents concerning these components are ED 034 880 or VT 009 939, ED 034 885 or VT 009 986, ED 034 884 or VT 009 985, and ED 034 874 or VT 009 922 (all in this issue). (CH)

VT 009 985 ED 034 884
Occupational Education Programs; Image of the World of Work, Volume III. Lesson Plans: Resource File.

Rocky Mountain Educational Lab., Inc., Greeley, Colo.
Colorado State Univ., Ft. Collins.
Office of Education (DHEW), Washington, D.C.
Bureau of Research
EDRS PRICE MF-$0.65 HC-$6.58
OEC-4-7-062828-30-63 24
BR-6-2828
PUB DATE - Aug69 128p.

DESCRIPTORS - *VOCATIONAL DEVELOPMENT; *JUNIOR HIGH SCHOOL STUDENTS; *TEACHING GUIDES; TEACHER ORIENTATION; INTEGRATED CURRICULUM; *LESSON PLANS; PROGRAM EVALUATION; EDUCATIONAL PLANNING; EDUCATIONAL INNOVATION; VOCATIONAL EDUCATION; TEACHER SEMINARS; INSERVICE TEACHER EDUCATION; MODELS; QUESTIONNAIRES

ABSTRACT - This third volume of the Image of the World of Work program presents guidelines for the development of lesson plans by participating teachers and representative lesson plans which were developed. Lessons were planned within the existing content of seventh grade language arts and social studies--35 lesson plans for language arts, 20 for social studies, and 4 miscellaneous. The components of these lessons were to include cognitive objectives, occupational information, attitudinal objectives, student tasks, and evaluation of lesson effectiveness. Volumes I and II are available as ED 034 880 or VT 009 939 and ED 034 885 or VT 009 986 respectively (both in this issue). "The World of Work and Learning," a position paper which provides an overview of all three phases of the project, is available as ED 034 881 or VT 009 940 (also in this issue). (CH)

VT 009 986 ED 034 885
Occupational Education Programs; Image of the World of Work, Volume II. Development of Instruments and Evaluation.

Rocky Mountain Educational Lab., Inc., Greeley, Colo.
Colorado State Univ., Ft. Collins.
Office of Education (DHEW), Washington, D.C.
Bureau of Research
EDRS PRICE MF-$0.65 HC-$6.58
OEC-4-7-062828-30-63 24
BR-6-2828
PUB DATE - Aug69 154p.

DESCRIPTORS - *VOCATIONAL DEVELOPMENT; *JUNIOR HIGH SCHOOL STUDENTS; *TEACHER ORIENTATION; *INTEGRATED CURRICULUM; *CHANGING ATTITUDES; PROGRAM EVALUATION; LESSON PLANS; EDUCATIONAL PLANNING; EDUCATIONAL INNOVATION; VOCATIONAL EDUCATION; TEACHER SEMINARS; MODELS; INSERVICE TEACHER EDUCATION; INSTRUCTIONAL AIDS; QUESTIONNAIRES

ABSTRACT - This second volume of the Image of the World of Work program reports the development of instruments, evaluation design, changes in teachers' attitudes toward work associated with participation in

workshops, lesson plans, changes in pupil scores in relation to characteristics of their teachers, data analysis, and generalizations on the outcomes of the intervention activities. Generally there was a movement toward more desirable or mature attitudes by all of the students in both the project and control groups. As expected, girls scored more in the desirable or favorable direction than did boys. Fifty tables supplement the narrative information. Volumes I and III are available as ED 034 880 or VT 009 939 and ED 034 884 or VT 009 985 respectively (both in this issue). "The World of Work and Learning," a position paper which provides an overview of all three phases of the project, is available as ED 034 881 or VT 009 940 (also in this issue). (CH)

VT 010 385 ED 038 505
APPRENTICESHIP PAST AND PRESENT.

MANPOWER ADMINISTRATION (DOL), WASHINGTON, D.C. BUREAU OF APPRENTICESHIP AND TRAINING.
EDRS PRICE MF-$0.25 HC-$1.30
PUB DATE - 69 24P.

DESCRIPTORS - *APPRENTICESHIPS; *HISTORICAL REVIEWS; LABOR LEGISLATION; *RECORDS (FORMS)

ABSTRACT - FOR THOUSANDS OF YEARS MEN HAVE TRANSFERRED SKILLS FROM ONE GENERATION TO ANOTHER BY APPRENTICESHIPS. IN EGYPT, GREECE, ROME, EUROPE, AND FINALLY IN THE UNITED STATES APPRENTICESHIPS BECAME AN ACCEPTED PRACTICE. IN THE UNITED STATES IN THE 1700'S POOR BOYS 14 YEARS OR YOUNGER WERE OFTEN INDENTURED TO MASTERS WHO AGREED TO TEACH THEM A TRADE. THEY WERE USUALLY BOUND TO THEIR MASTERS UNTIL THEY WERE 21 YEARS OLD, AND RECEIVED TRAINING IN CRAFTS SUCH AS LEATHER WORK AND CARPENTRY. AFTER THE TIME OF THE INDUSTRIAL REVOLUTION, DOMESTIC APPRENTICESHIPS DISAPPEARED AND WAGES WERE PAID TO EMPLOYERS IN GROWING INDUSTRIES SUCH AS IRON FOUNDRIES, SHIP BUILDING, AND PRINTING SHOPS. LAWS PASSED IN THE 1920'S AND 30'S REGULATE APPRENTICESHIPS. TODAY THE APPRENTICE IS PART OF A PRODUCTION FORCE, TRAINS ON THE JOB AND IN A CLASSROOM, AND IS PAID WAGES. APPRENTICESHIP IS AND WILL CONTINUE TO BE ONE OF THE BEST WAYS OF TRAINING SKILLED CRAFTSMEN. VARIOUS PROGRAMS HAVE BEEN SET UP TO AID THE DISADVANTAGED IN OBTAINING APPRENTICE TRAINING, INCLUDING INFORMATION CENTERS, PREPARATORY COURSES, AND PREJOB PROGRAMS. (BC)

VT 010 482
Questionnaire for Review of Curricula in Engineering Technology.

Engineers' Council for Professional Development, Inc., New York, N.Y. Engineering Technology Committee.
MF AVAILABLE IN VT-ERIC SET.
Engineers Council for Professional Development, 345 East 47th Street, New York, New York 10028.
PUB DATE - ND 26p.

DESCRIPTORS - *ENGINEERING TECHNOLOGY; TECHNICAL EDUCATION; *QUESTIONNAIRES; *CURRICULUM EVALUATION

ABSTRACT - Introductory material describes types of accreditation granted for approved curriculums in engineering technology by the Engineers' Council for professional Development. Procedures are also given for institutions to follow in obtaining council accreditation. The major portion of the document consists of the questionnaire to be completed by the institution for submission to the council. Sections request information concerning administrative organization, funding, faculty policy, physical facilities, admission requirements, graduation requirements, and placement services. Related documents are ED 039 324 or VT 010 481 (Aim Spring 1971) and VT 010 483 (also in this issue). (GR)

VT 010 483
Manual of Evaluation Procedures and Instructions.

Engineers' Council for Professional Development, Inc., New York, N.Y. Engineering Technology Committee.
MF AVILABLE IN VT-ERIC SET.
Engineers Council for Professional Development, 345 East 47th Street, New York, New York 10028.
PUB DATE - 69 40p.

DESCRIPTORS - *ACCREDITATION (INSTITUTIONS); EVALUATION CRITERIA; *EVALUATION TECHNIQUES; *CURRICULUM EVALUATION; *ENGINEERING TECHNOLOGY; TECHNICAL EDUCATION; GUIDELINES; RECORDS (FORMS); *MANUALS

ABSTRACT - This manual outlines procedures for evaluation teams to use in determining whether a school's engineering technology curriculum is deserving of the Engineers' Council for Professional Development (ECPD) accreditation. Duties and responsibilities of evaluation team members are discussed, and guidelines are given for preparing and submitting the necessary reports. Before using this manual, the evaluator must first become familiar with the official objectives, procedures, and criteria for accreditation which appear in the current annual report of ECPD. Various sample forms for use by the evaluating team are appended. (GR)

VT 010 584
Barlow, Melvin L.
Principles of Vocational Education.

American Vocational Association, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
Publication Sales, American Vocational Association, 1510 H Street, N.W., Washington, D.C. 20005 ($.50).
PUB DATE - Nov69 8p.

DESCRIPTORS - *HISTORICAL REVIEWS; *VOCATIONAL EDUCATION; *FEDERAL LEGISLATION; *FEDERAL AID; *FEDERAL PROGRAMS; EDUCATIONAL PRINCIPLES
IDENTIFIERS - *VOCATIONAL EDUCATION ACT OF 1968

ABSTRACT - Vocational education as it exists today had its origin in the early 1900's. The National Society for the Promotion of Industrial Education was formed to promote vocational-industrial education in the public schools in 1906. From this early period the program has grown from a training program for high school students and employed adults to a program at secondary and post secondary levels for in-school youth, out-of-school youth and adults, the employed, unemployed, handicapped, and disadvantaged. In 1968 a comprehensive Vocational Education Act was passed which authorized Federal grants to assist states in maintaining, extending, and improving existing programs and to develop new programs. Federal funding of vocational education programs increased from $55 million dollars in 1963 to $279 million in 1968. However in 1968 the Federal budget provided $650 million for manpower programs which aided only about 10 percent of the number of people served by vocational education. (BC)

VT 010 912
Rogers, James P.; Thorne, H. Walter
The Development and Evaluation of an Improved Electronics Troubleshooting Manual. Technical Report 65-1.

George Washington Univ., Alexandria, Va.
Human Resources Research Office.
Department of the Army, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Mar65 61p.

DESCRIPTORS - *MATERIAL DEVELOPMENT; *ELECTRONICS; *EQUIPMENT EVALUATION; TRADE AND INDUSTRIAL EDUCATION
IDENTIFIERS - HUMAN RESOURCES RESEARCH OFFICE; HUMRRO; *ELECTRONICS TROUBLESHOOTING MANUAL

ABSTRACT - Research was conducted to develop an improved maintenance manual for use in training technicians to troubleshoot modern electronic equipment faster and more accurately, and to specify procedures for preparing such manuals. First, on the basis of a review of literature, hypotheses were developed concerning the information to be included and methods of presenting and organizing this information. From this, an experimental manual was prepared for use with an experimental group of inexperienced technicians while a control group used standard schematic and functional diagrams and personal notes. Based on results of an objective test administered to the two groups, a list of desirable contents for troubleshooting manuals was developed, and procedures for preparing manuals of this type were written. The new manuals were thought to be better because they include some information not previously included, and because the information is organized according to when it will be needed in troubleshooting. Examples of suggested contents for troubleshooting manuals are given along with a bibliography and malfunctions used in testing the manual. (DM)

VT 011 111 ED 050 227
Automation and Women Workers.

Women's Bureau (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
Women's Bureau, Wage and Labor Standards Administration, Department of Labor, Washington, D.C. (no charge)
PUB DATE - Feb70 17p.

DESCRIPTORS - *MANPOWER UTILIZATION; *FEMALES; *EMPLOYMENT TRENDS; *TECHNOLOGICAL ADVANCEMENT; *AUTOMATION; EMPLOYMENT; SKILL OBSOLESCENCE; UNEMPLOYMENT; VOCATIONAL EDUCATION; OCCUPATIONAL GUIDANCE; WAGES; WORKING HOURS; LEISURE TIME; SAFETY; CHILD CARE

ABSTRACT - To determine the repercussions of scientific and technological progress on the employment of women and their conditions of work, the Women's Bureau used available statistical data from 1958-68 to study: (1) Employment and Unemployment, (2) Vocational Guidance and Training, (3) Training and Retraining of Older Women, (4) Renumeration, (5) Hours of Work and Leisure, (6) Safety and Health, and (7) Child Care. Some major findings were: (1) In 1968 more women were engaged in office and service work (excluding household work) and relatively fewer in farm, sales, and factory work, (2) For women in professional and service work, the influence of automation has been less pronounced than for those in clerical, factory, sales, and farm jobs, (3) The declining importance of some occupations has emphasized the urgent need to update and extend the vocational guidance and training provided women and girls, (4) Because of scientific and technological changes, many older women interested in working have found it necessary to resume education and training, and (5) Technological advances appear to have had virutally no influence on the provision of child care. (SB)

VT 011 139 ED 050 229
Jobfinding Techniques for Mature Women.

Women's Bureau (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
Pamph-11
Women's Bureau, Wage and Labor Standards Administration, Dept. of Labor, Washington, D.C. (no charge).
PUB DATE - Feb70 43p.

DESCRIPTORS - *JOB APPLICANTS; MIDDLE AGED; *FEMALES; *JOB APPLICATION; EMPLOYMENT INTERVIEWS; EMPLOYMENT QUALIFICATIONS; *GUIDELINES; EDUCATIONAL OPPORTUNITIES; *OCCUPATIONAL GUIDANCE

ABSTRACT - Written by the Chief of Special Projects of the Women's Bureau as a guide for assisting the mature woman in preparing for and finding employment, this pamphlet contains sections on: (1) How to Do a Self-Inventory, (2) How to Prepare a Resume, (3) The Jobhunt, (4) How to Prepare a Letter of Application, (5) Guides to an Effective Interview, and (6) Training Opportunities. Selected readings and addresses of agencies

and organizations are appended. (SB)

VT 011 301 ED 041 128
NATIONAL CONFERENCE ON THE USE OF AUDIOVISUALS IN MEDICAL EDUCATION, PROCEEDINGS (UNIVERSITY OF ALABAMA MEDICAL CENTER, BIRMINGHAM, AUGUST 6-8, 1969).

ALABAMA UNIV., BIRMINGHAM, MEDICAL CENTER. NATIONAL INST. OF HEALTH (DHEW). BETHESDA, MD. DIV. OF PHYSICAL MANPOWER.
EDRS PRICE MF-$0.75 HC-$8.55
PUB DATE - AUG 69 169P.

DESCRIPTORS - *AUDIOVISUAL AIDS; *AUDIOVISUAL COMMUNICATION; *CONFERENCE REPORTS; *MEDICAL EDUCATION; RESOURCE CENTERS; SPEECHES

ABSTRACT - THE 39 MEDICAL EDUCATORS ATTENDED A 2-DAY CONFERENCE TO RESOLVE SOME OF THE DISPARITY WHICH EXISTS IN THE KNOWLEDGE AND UTILIZATION OF AUDIOVISUAL AIDS AND TO DEFINE THE ROLE OF LEARNING RESOURCE CENTERS. MAJOR PRESENTATIONS WERE: (1) "THE CONTINUING CONFUSION IN COMMUNICATIONS" BY J.F. WOLKER, (2) "VISUAL SYSTEMS: PRO AND CON" BY R.S. CRAIG, (3) "APPLICATION OF AUDIOVISUAL TECHNOLOGY IN MEDICAL EDUCATION" BY N.L. COLE, (4) "CONCEPTS IN COMMUNICATION: A MULTI-SCREEN PRESENTATION" BY E.W. MURPHY AND J.W. PARKER, AND (5) "STANDARDIZATION: THE MANUFACTURER'S VIEWPOINT" BY R.H. BELL AND M. WATERBOR. IN ADDITION, FOUR PANEL DISCUSSIONS WERE HELD ON THE TOPICS OF BASIC SCIENCE EDUCATION AND AUDIOVISUALS, THE USE OF AUDIOVISUALS IN CLINICAL TEACHING, HOSPITALS, AND MEETING THE NEEDS OF CONTINUING EDUCATION. PARTICIPANTS RECOMMENDED THAT A NATIONAL RESOURCE CENTER BE ESTABLISHED TO SERVE AS A REPOSITORY FOR INFORMATION ABOUT AVAILABLE AUDIOVISUALS. FURTHER, OPPORTUNITIES SHOULD BE PROVIDED FOR IDENTIFYING LEARNER NEEDS AND WANTS AND FOR DEFINING TEACHING OBJECTIVES. FINALLY, EDUCATORS MUST EXERT LEADERSHIP IN SETTING UP STANDARDS AND GUIDELINES FOR SELECTION AND UTILIZATION OF AUDIOVISUAL MEDIA. (SB)

VT 011 375 ED 050 230
Graduate, Then What--Jobs in Health. A Report on the Use of Radio as a Recruitment Tool for the Health Occupations.

National Institutes of Health, Washington, D.C. Div. of Physician Manpower.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 70 20p.

DESCRIPTORS - *HEALTH OCCUPATIONS; *DISADVANTAGED YOUTH; MANPOWER NEEDS; *RECRUITMENT; EMPLOYMENT OPPORTUNITIES; *EDUCATIONAL RADIO; CAREER PLANNING; *OCCUPATIONAL GUIDANCE; PILOT PROJECTS

ABSTRACT - To evaluate the use of radio as a means of recruiting minority students into the health fields, 11 schools in the San Francisco Bay Area were selected to participate in a program of weekly radio broadcasts studying 11 health professions with manpower shortages. A combination panel and question and answer format was used for the broadcasts. Meetings were held with school representatives before the program began to discuss topics, objectives, and other technical matters as well as after the fourth broadcast to assess reactions and difficulties encountered. A followup survey was conducted after the series ended. Although attendance figures and other statistical data were incomplete, the project staff reported that the programs were effective in producing interest and enthusiasm, particularly in schools in which faculty and administrators took a personal interest in helping disadvantaged students examine their interests and capabilities. Results demonstrate that two-way radio broadcasts are a promising means of recruiting disadvantaged students into the health professions. Recommendations are provided for planning, staff, physical arrangements, criteria for panelists, student participation, publicity, followup, coordination, and reporting procedures. (SB)

VT 011 471 ED 050 231
Diamond, Daniel E.; Bedrosian, Hrach
Industry Hiring Requirements and the Employment of Disadvantaged Groups.

New York Univ., N.Y. School of Commerce. Manpower Administration (DOL), Washington, D.C.
DOCUMENT NOT AVAILABLE FROM EDRS.
National Technical Information Service, Operations Division, Springfield, Va. 22151 (PB191278, MF $0.95, HC $3.00).
PUB DATE - 70 399p.

DESCRIPTORS - *EMPLOYMENT OPPORTUNITIES; *DISADVANTAGED GROUPS; *EMPLOYMENT QUALIFICATIONS; PROMOTION (OCCUPATIONAL); *MANPOWER UTILIZATION; UNEMPLOYED; MINORITY GROUPS; NEGRO EMPLOYMENT; SAMPLING; *OCCUPATIONAL SURVEYS
IDENTIFIERS - NEW YORK CITY; ST. LOUIS

ABSTRACT - In an attempt to improve the economic well-being of the disadvantaged, this study investigated the possibility that excessive hiring requirements might be a major factor in unemployment of particular groups in the population. This was accomplished by surveying a random sample of employers in 10 major entry and near-entry level occupations in the New York and St. Louis Standard Metropolitan Statistical Areas. Accuracy was assured by a 14-month pretest evaluation of research design and materials, and the collected data were analyzed to compare variations in hiring requirements with measures of job performance. The study found that artificially high employment standards probably have hurt both the disadvantaged and the industry itself by creating manpower shortages. Better matching of skills and jobs could reduce turnover, relieve manpower shortages, and increase employment. (BH)

VT 011 472
Resnick, Harold S.
The Implementation of Flexible Modular Scheduling for Industrial Education.

Wayne State Univ., Detroit, Mich. Dept. of Industrial Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Apr70 22p.

DESCRIPTORS - *INDUSTRIAL EDUCATION; *FLEXIBLE SCHEDULING; *SCHEDULE MODULES; *NATIONAL SURVEYS; DOCTORAL THESES; BIBLIOGRAPHIES; SECONDARY SCHOOLS
IDENTIFIERS - *FLEXIBLE MODULAR SCHEDULING

ABSTRACT - "The Implementation of Flexible Modular Scheduling for Industrial Education" is summarized. For abstract of full report, see ED 043 738 (VT 011 473, ARM Spring 1971). (GR)

VT 011 583
Wileman, Fred A., Ed.
Guidelines for Discretion. Five Models for Local Law Enforcement Agencies.

Wisconsin Univ., Madison. Inst. of Governmental Affairs.
MF AVAILABLE IN VT-ERIC SET.
University Extension Bookstore, 432 North Lake Street, Madison, Wisconsin 53706 ($1.00).
PUB DATE - 70 66p.

DESCRIPTORS - *LAW ENFORCEMENT; POLICE SEMINARS; *POLICY FORMATION; *GUIDELINES; POLICE ACTION; CIVIL DISOBEDIENCE

ABSTRACT - These five essays are meant to provide a basis for policy formulation by local law enforcement agencies. Resulting from a 1967 seminar on the problems of discretionary law enforcement, the papers cover: (1) "Shoplifting" by E.O. Wolff, (2) "Confinement" by G. Kosalos, (3) "Life Saving Devices" by H. Hettrick, (4) "Use of Force" by J. Mizerka and J. Wolff, and (5) "Crowds and Demonstrations" by J. Fandre and R. Foote. (BH)

VT 011 591 ED 048 433
Bruck, Arlene
Organizational Role Behaviour. Second Edition.

McGill Univ., Montreal (Quebec). Industrial Relations Centre.
Canadian Dept. of Regional Economic Expansion, Ottawa (Ontario)
EDRS PRICE MF-$0.65 HC-$6.58.
PUB DATE - 70 104p.

DESCRIPTORS - *ROLE THEORY; *PERFORMANCE FACTORS; SUCCESS FACTORS; *BEHAVIOR PATTERNS; *OCCUPATIONAL CLUSTERS; JOB SATISFACTION; ORGANIZATIONS (GROUPS); VOCATIONAL ADJUSTMENT

ABSTRACT - This report identifies factors which influence workers' behavior so that job performance and success are affected. In particular, the study resolves questions concerning talent development, occupational allocation, adaptability of workers, worker satisfaction, and performance. A detailed review of the literature is included. Suggestions are made for generalizing the variables to fit in various organizational contexts. Related documents are available as VT 011 592-011 595, also in this issue. (BH)

VT 011 592 ED 048 434
Barrados, Maria
Autonomy in Work. Second Edition.

McGill Univ., Montreal (Quebec). Industrial Relations Centre.
Canadian Dept. of Regional Economic Expansion, Ottawa (Ontario). Social and Human Analysis Branch
EDRS PRICE MF-$0.65 HC-$3.29.
PUB DATE - Mar70 54p.

DESCRIPTORS - *LITERATURE REVIEWS; RESEARCH REVIEWS (PUBLICATIONS); *JOB SATISFACTION; *AFFECTIVE BEHAVIOR; SOCIAL FACTORS; ECONOMIC FACTORS; *PERFORMANCE; *JOB TRAINING; RESOURCE ALLOCATIONS; MOTIVATION

ABSTRACT - The study gives the findings from a careful review of the available literature on autonomy on the job, its related behavioral responses, and the socioeconomic factors in the background of the worker which vary from low to high autonomy jobs. The document also provides a list of major organizational variables which social scientists have identified as affecting success and performance, and an analysis of how the variables affect behavior. Suggestions are made about the provision of a theoretical abstraction of the variables to make them applicable in diverse organizational contexts. The study is expected to clarify partially some questions relating to talent development, occupational allocation; adaptability of workers, training of workers, worker satisfactions, and performance. Related documents are available as VT 011 591-011 595, also in this issue. (Author/JS)

VT 011 593 ED 048 435
Heller, Anita
The Formal Environments for Learning: Schools, Colleges, and Universities. Second Edition.

McGill Univ., Montreal (Quebec). Industrial Relations Centre.
Canadian Dept. of Regional Economics Expansion, Ottawa (Ontario). Social and Human Analysis Branch
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Mar70 36p.

DESCRIPTORS - *LITERATURE REVIEWS; RESEARCH REVIEWS (PUBLICATIONS); *JOB SATISFACTION; *AFFECTIVE BEHAVIOR; SOCIAL FACTORS; ECONOMIC FACTORS; PERFORMANCE; MOTIVATION; *SCHOOL ENVIRONMENT; SCHOOL ORGANIZATION; REWARDS; *STUDENT CHARACTERISTICS; TEACHER CHARACTERISTICS

ABSTRACT - A tentative hypothesis growing out of the study of the transition from school to work has been that it is the type of articulation between the institution of school and that of the work-place which determines a smooth or rocky transition. Thus, this review of literature concerns

itself with the characteristics of the learning environment with the emphasis on the social structure of the school as it affects the learning and behavior of the student both in the present and future. The study was expected to clarify partially some questions relating to talent development, occupational allocation, adaptability of workers, training of workers, worker satisfactions, and performance. The conclusion to be drawn from the study is that the particular structural features of an educational institution such as the values and goals, the system of authority and control, the reward system, the actual organizational subdivision within the system, as well as its size, the recruitment and characteristics of students, teachers, and administrators all combine to produce a particular educational experience. Variations in any of these should produce a different outcome. Related documents are available as VT 011 591-VT 011 595, also in this issue. (Author/JS)

VT 011 594 ED 048 436
Ryant, Joseph C.
Work Organizations, Behavior and Attitudes. Second Edition.

McGill Univ., Montreal (Quebec). Industrial Relations Centre.
Canadian Dept. of Regional Economic Expansion, Ottawa (Ontario). Social and Human Analysis Branch
EDRS PRICE MF-$0.65 HC-$6.58.
PUB DATE - Mar70 199p.

DESCRIPTORS - *LITERATURE REVIEWS; *WORK ATTITUDES; *BEHAVIOR PATTERNS; MANPOWER UTILIZATION; BEHAVIOR STANDARDS; MODELS; JOB TRAINING; *JOB SATISFACTION; *MANPOWER DEVELOPMENT

ABSTRACT - Hoping to clarify partially some of the questions relating to talent development, occupational allocation, adaptability of workers, training of workers, worker satisfactions and performance, a search of related literature was conducted by dividing the material into five major categories: (1) technology, (2) organizational structure, (3) intrapersonal factors, (4) environmental factors, and (5) interpersonal factors. The results of this study are intended for: (1) classifying employment opportunities as a basis for prescribing compatible jobs for different types of people, (2) classifying the behavior required for survival and success in various job settings, (3) identifying and classifying the variables now operating in educational and resocializing institutions, and (4) specifying models for social systems in training centers. Four related documents are available as VT 011 591-011 595, all in this issue. (Author/JS)

VT 011 595 ED 048 437
Westley, William A.
Studies of Education and Work. Second Edition.

McGill Univ., Montreal (Quebec). Industrial Relations Centre.
Canadian Dept. of Regional Economic Expansion, Ottawa (Ontario). Social and Human Analysis Branch
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Mar70 84p.

DESCRIPTORS - *MANPOWER DEVELOPMENT; *JOB TRAINING; *MODELS; *LITERATURE REVIEWS; *PROGRAM DEVELOPMENT; WORK ATTITUDES; BEHAVIOR PATTERNS; MANPOWER UTILIZATION; JOB SATISFACTION; BEHAVIOR STANDARDS

ABSTRACT - The Experimental Projects Branch of the Department of Manpower and Immigration contracted with the McGill University Industrial Relations Centre to assess the bearing of the social science literature upon work and educational organizations and in particular their relevance to the construction of training programs. This paper presents a summary and analysis of the larger and more detailed studies made under this contract. Included in these larger studies are examinations of (1) the nature of modern society, (2) resocialization, (3) retraining as mobility, (4) role perspectives on retraining, (5) rewards, and (6) some models of retraining organizations. Recommendations based on the literature review are made regarding the community background, the program or school in action, and the future of work. Four related documents are available as VT 011 591-VT 011 594, all in this issue. (Author/JS)

VT 011 686 ED 043 744
Clary, Joseph Ray
Review and Synthesis of Research and Developmental Activities Concerning State Advisory Councils on Vocational Education. Information Series No. 22.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Aug70 55p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *RESEARCH NEEDS; PROGRAM EVALUATION; *ADVISORY COMMITTEES; PROGRAM PLANNING; *PROGRAM ADMINISTRATION; *RESEARCH REVIEWS (PUBLICATIONS); FEDERAL LEGISLATION; ORGANIZATION; STATE PROGRAMS
IDENTIFIERS - *VOCATIONAL EDUCATION AMENDMENTS OF 1968

ABSTRACT - State Advisory Councils on Vocational Education have been appointed in the 50 states, the District of Columbia, Puerto Rico, American Samoa, and the Virgin Islands in compliance with the Vocational Education Amendments of 1968. This report is designed as a summarization, synthesis, and analysis of these new Councils. According to the specifications of the amendments, the councils consist of 12-35 persons who are appointed by the governor, or in some states by the State Board. Functions and responsibilities include advising the State Board on the development and administration of the state plan for vocational education, evaluating programs, services, and activities

under the state plan, and submitting an annual report through the State Board to the U.S. Commissioner of Education and the National Advisory Council. Few research studies concerning the Councils have been conducted, and the first reports from the Councils are currently being prepared. Needed research areas and questions on the role of the evaluation performed by the Councils are listed. (SB)

VT 011 721 ED 042 917
Smith, Brandon B., Ed.;
Moss, Jerome, Jr., Ed.
Report of a Seminar: Process and Techniques of Vocational Curriculum Development (Minneapolis, Minn., Feb. 28-Mar. 1, 1970).

Minnesota Research Coordinating Unit in Occupational Education, Minneapolis.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Apr70 126p.

DESCRIPTORS - *CONFERENCE REPORTS; *CURRICULUM DEVELOPMENT; *CURRICULUM RESEARCH; VOCATIONAL EDUCATION; VOCATIONAL DEVELOPMENT; JOB ANALYSIS; *SYSTEMS APPROACH; OCCUPATIONAL SURVEYS; *COOPERATIVE PLANNING
IDENTIFIERS - MINNESOTA; RESEARCH COORDINATING UNIT; RCU

ABSTRACT - A group of nine persons met in Minneapolis at the invitation of the Minnesota Research Coordinating Unit to discuss some of the innovative empirical techniques for implementing the "systems" approach to vocational curriculum development, including some military pioneering efforts. The seven presentations discussed at the seminar included: (1) "A Systems Application to Curriculum Improvement" by David S. Bushnell, (2) "A Manpower Delivery System: Implications for Curriculum Development" by Robert G. Smith, Jr., (3) "Implications of Air Force Occupational Research for Curriculum Design" by Raymond E. Christal, and (4) "An Empirical Procedure for Identifying the Structure of the Technical Concepts Possessed by Selected Workers" by Jerome Moss, Jr. and others. Throughout the seminar, discussion was directed to (1) the preparation of students for entry or reentry into the labor market in relation to specifying the worker's role and tasks, (2) the selection of tasks to be taught, analyzing the selected tasks and stating performance objectives, and (3) the specification of instructional sequence. A major outcome of the seminar was a framework for use in describing the nature of conceptual and operational problems facing curriculum builders. (JS)

VT 011 731
Annual Report of COPE (3rd); The Cooperative Occupational Pre-Teaching Experience Program.

Rutgers, The State Univ., New Brunswick, N.J.
Ford Foundation, New York, N.Y.
MF AVAILABLE IN VT-ERIC SET.
Department of Vocational-Technical Education, Rutgers University, 10 Seminary Place, New Brunswick, New Jersey 08903 ($.18).
PUB DATE - May70 24p.

DESCRIPTORS - *TEACHER EDUCATION; *COOPERATIVE EDUCATION; *PROGRAM DESCRIPTIONS; EDUCATIONAL PROGRAMS; STUDENT CHARACTERISTICS; *TRADE AND INDUSTRIAL TEACHERS; *BEGINNING TEACHERS; ADVISORY COMMITTEES; TEACHER RECRUITMENT; WORK EXPERIENCE PROGRAMS
IDENTIFIERS - *COOPERATIVE OCCUPATIONAL PRE TEACHING EXPERIENCE PROGRAM; COPE

ABSTRACT - The Cooperative Occupational Pre-Teaching Experience Program (COPE) prepares vocational subject teachers through coupling cooperative work experience with a planned academic program. This third annual report of COPE presents descriptive data as well as current data on enrollment, student background information, supervised work experience, and credits earned. The current Ford Foundation budget is also presented along with specific recommendations for improving the program. (JS)

VT 011 744
Lasap, Sotero L., Jr.
The Professor of Agriculture: His Response to Questionnaire.

Maryland Univ., College Park. Dept. of Agricultural and Extension Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 12p.

DESCRIPTORS - *RESEARCH METHODOLOGY; *QUESTIONNAIRES; *EDUCATIONAL RESEARCH; RESEARCH DESIGN; *DATA COLLECTION
IDENTIFIERS - *QUESTIONNAIRE RETURN PROBLEMS

ABSTRACT - To determine the relationship of selected variables to time of response to questionnaires, this study encompassed 600 randomly selected agricultural professors representing all of the states. The length of time for questionnaires being returned was recorded to determine factors affecting responses. Conclusions show that followup letters are important as well as questionnaire color and design, the use of self-addressed envelopes, and the respondents' interest in the study results. (GB)

VT 011 746 ED 050 232
Manpower Report of the President. Message from the President of the United States Transmitting an Annual Report on the Progress of Manpower Programs.

Congress of the U.S., Washington, D.C. House Committee on Education and Labor.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
House-Doc-302
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (L1.42/2:971, $2.50).
PUB DATE - 68 329p.

DESCRIPTORS - *MANPOWER DEVELOPMENT; *FEDERAL PROGRAMS; *ANNUAL REPORTS; MANPOWER UTILIZATION; FAMILY INCOME; PUBLIC POLICY;

GOVERNMENT ROLE; UNEMPLOYMENT; EMPLOYMENT STATISTICS; EMPLOYMENT PATTERNS; EQUAL OPPORTUNITIES (JOBS); *EMPLOYMENT PROBLEMS; STATISTICAL DATA; EMPLOYMENT TRENDS; CULTURALLY DISADVANTAGED; *MANPOWER NEEDS

ABSTRACT - This annual manpower report analyzes manpower needs, resources, utilization, and training. Problem areas which are considered include: (1) income adequacy and maintenance, (2) quality of employment, (3) equal opportunity, (4) special problems of the disadvantaged, (5) transition from school to work, and (6) geographic barriers to employment. The labor force implications of the continuing economic growth in 1967 are discussed, and new programs reflecting increased emphasis on the disadvantaged are reviewed. (BH)

VT 011 856
Miller, W.R.; Blankenbaker, E.K.
Annotated Bibliography of Publications and Reports of Research Dealing with the Interpretation of the "World of Work" to Elementary Children.

Missouri Univ., Columbia. Dept. of Practical Arts and Vocational-Technical Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 14p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *OCCUPATIONAL INFORMATION; *ELEMENTARY GRADES; *ORIENTATION MATERIALS; *ANNOTATED BIBLIOGRAPHIES; DEMONSTRATION PROJECTS; PILOT PROJECTS; RESEARCH PROJECTS; PERIODICALS

ABSTRACT - This annotated bibliography contains 50 journal articles, research reports, and related materials dealing with interpreting the world of work concept to elementary children. Entries are grouped according to: (1) Rationale, (2) Experimental Research, (3) Pilot and Demonstration Projects, and (4) Others. Arranged alphabetically by author, each entry includes, in addition to an annotation, the title, source of availability either through a journal, institution, Educational Resources Information Center (ERIC), or other source, ERIC accession number, date, and in some cases the pagination and cost. (SB)

VT 011 902
A Concerned Texas. A Report of the Governor's Conference on Technical-Vocational Education. (Austin, Tex., Mar. 23-24, 1970).

Texas State Advisory Council for Technical-Vocational Education, Austin.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Jul70 104p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *MANPOWER NEEDS; *CONFERENCE REPORTS; *PROGRAM DEVELOPMENT; EDUCATIONAL NEEDS; *PROGRAM IMPROVEMENT; EDUCATIONAL OBJECTIVES

ABSTRACT - These proceedings contain an abundance of evidence of the concern for the further expansion of vocational and technical education and for the updating and improving of existing programs. Also, there is strong evidence of an increase in public awareness of technical-vocational education and its role in the life of citizens. Business firms, associations, educational institutions, state and federal agencies, and others joined forces at this conference to give a visual presentation through exhibits of the needs for trained manpower and the resources within the state to meet the needs. (JS)

VT 011 915
Nish, Dale L.
Developing and Testing of an Instructional System in Plastics. Program Report: Improving Instruction in Small Schools.

Northwest Regional Educational Lab., Portland, Oreg.
Office of Education (DHEW), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Mar69 34p.

DESCRIPTORS - INSTRUCTIONAL MEDIA; *MULTIMEDIA INSTRUCTION; PROGRAMED INSTRUCTION; *SINGLE CONCEPT FILMS; INSTRUCTIONAL INNOVATION; *PLASTICS; *INSTRUCTIONAL IMPROVEMENT; RESEARCH; *INDUSTRIAL ARTS

ABSTRACT - The purpose of this study was to develop and test usable instructional materials in plastics as a means of improving and expanding curricular programs for rural children in isolated areas. The population consisted of 30 students selected from Grades 6 through 12 in two Washington Public Schools. Designed to study the effect of varying mental abilities, the subjects were divided into three groups which were classified as high, average, and low. The Differential Aptitude Test (Form L), Numerical and Verbal Section C, was used to assess the general mental ability for each student. A multimedia instructional system developed for this study included four instructional units consisting of single concept films with sound, programed instruction books and laboratory experience. Findings indicated that the multimedia instructional system could be effectively used to teach knowledges and skills associated with the use of expandable polystyrene plastics. (Not recommended for hard copy reproduction due to marginal print size.) (GR)

VT 011 916
Lewis, Wiley B.; Woodin, Ralph J.
Agricultural Mechanics as Performed on Ohio Farms in Comparison with Offerings in Vocational Agriculture. Research Series in Agricultural Education.

Ohio State Univ., Columbus. Dept. of Agricultural Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Aug70 35p.

DESCRIPTORS - *EDUCATIONAL RESEARCH; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *COURSE OBJECTIVES; *CURRICULUM RESEARCH; TEACHER EDUCATION; INSTRUCTIONAL

IMPROVEMENT

ABSTRACT - To determine whether agricultural mechanics curriculums in Ohio were appropriate for preparing students enrolled in high school vocational agriculture classes to perform agricultural mechanics activities in production agriculture occupations, this study was conducted by dividing the State into three agricultural administrative regions and surveying these regions with questionnaires. These forms were distributed to a representative number of students, teachers, and farmer groups. Conclusions show that agricultural mechanics instruction was appropriate for preparing the students for production agriculture occupations. It was recommended that teachers and teacher educators should provide for individualized instruction, determine instruction by surveying for needs, and include results of study in teacher preparation programs. (GB)

VT 011 941 ED 043 778
Ganschow, Laurie H., And Others
Stimulating Educational Information-Seeking and Changes in Student Attitude Toward Vocational Education by Videotape and Film Presentations. Final Report.

American Inst. for Research in the Behavioral Sciences, Palo Alto, Calif.
Office of Education (DHEW), Washington, D.C.
Bureau of Research
EDRS PRICE MF-$0.65 HC-$9.87
OEG-9-9-140099-0008(057) 24
BR-8-1-099
PUB DATE - Aug70 252p.

DESCRIPTORS - *MODELS; EDUCATIONAL COUNSELING; VOCATIONAL COUNSELING; CHANGING ATTITUDES; *BEHAVIOR PATTERNS; *ETHNIC GROUPS; *HIGH SCHOOL STUDENTS; *COUNSELING; VIDEO TAPE RECORDINGS; FILMS; MEXICAN AMERICANS

ABSTRACT - To help counselors develop appropriate models for students with different characteristics, this investigation involved two studies using films and videotapes in an effort to stimulate individuals to explore and to gather information on vocational education opportunities. The key experimental phases of the two studies compared the relative influence of Mexican-American and non-Mexican-American social models on Mexican-American and non-Mexican-American 10th grade subjects. Among the findings in Study A was that subjects who saw social models of an ethnic group like their own scored higher on the measure of the subject's interest in occupations and related activities than did subjects who saw models of an ethnic group unlike their own. In Study B it was found that Mexican-American subjects who saw the Mexican-American social models performed slightly more information-seeking behaviors, and made slightly more favorable attitude changes than did Mexican-American subjects who viewed non-Mexican-American models. Study B further suggested that films rather than written presentations are more favorably reacted to by all subjects and that female subjects responded to the treatment suggestions to engage in information seeking significantly more than did male subjects. (Author/JS)

VT 011 961 ED 043 781
Coster, John K.
Patterns and Guidelines for Administering Exemplary Programs and Projects at the State Level. Center Occasional Paper No. 3.

North Carolina Univ., Raleigh. N.C. State Univ. Center for Occupational Education.
Office of Education (DHEW), Washington, D.C.
Bureau of Research
EDRS PRICE MF-$0.65 HC-$3.29
OEG-2-7-070348-2698 08
BR-7-0348
PUB DATE - 69 40p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *GUIDELINES; *FEDERAL LEGISLATION; *PROGRAM DEVELOPMENT; STATE BOARDS OF EDUCATION; *PROGRAM ADMINISTRATION; ADMINISTRATIVE ORGANIZATION; POLICY FORMATION; MODELS; RESOURCE ALLOCATIONS
IDENTIFIERS - *VOCATIONAL EDUCATION AMENDMENTS OF 1968

ABSTRACT - States must accept the implied responsibilities of the Vocational Education Amendments of 1968 which relate to exemplary programs, and it is necessary for State Boards to incorporate the provisions of Part D into their policies and plans as well as establish a state office in charge of exemplary programs. Guidelines are included for developing a policy statement, preparing elements of a state plan, assigning responsibility for administration, identifying the function of the administrative body, staffing the state office, establishing exemplary program management, and managing resource allocation systems. Guidelines for submitting an application for a planning grant and preparing proposals as well as suggested criteria and forms for evaluating applications for planning grants and proposals for exemplary programs and projects are appended. (SB)

VT 011 963 ED 043 783
Cortes, Josefina R.
Factors Associated with the Migration of High-Level Persons from the Philippines to the U.S.A..

Stanford Univ., Calif. Stanford International Development Education Center (SIDEC).
Office of Education (DHEW), Washington, D.C.
Bureau of Research
EDRS PRICE MF-$0.65 HC-$9.87
OEC-4-7-062597-1654 24
BR-6-2597
Publications Secretary, SIDEC, School of Education, P.O. Box 2329, Stanford University, Stanford, California 94305.
PUB DATE - 70 248p.

DESCRIPTORS - *MIGRATION; FOREIGN COUNTRIES; *PROFESSIONAL PERSONNEL; *DEVELOPING NATIONS; MANPOWER NEEDS; *SOCIOECONOMIC INFLUENCES;

*INDIVIDUAL CHARACTERISTICS; EDUCATIONAL NEEDS
IDENTIFIERS - PHILIPPINES

ABSTRACT - Although all countries face shortages of professional personnel, the problem is especially critical for the developing nations, who face the drain of high-level manpower to developed nations. This study of the migration of manpower from the Philippines to the United States identifies the major factors in this exodus, improves prediction techniques, and analyzes ways to minimize emigration through improved educational programs. Out of a population of 9,613 college-educated Filipinos who studied in the United States between 1960 and 1965, 753 names were chosen through disproportionate stratified sampling of the medical and nonmedical segments of the population. After further division of the sample into those who returned to the Philippines and those who remained in the United States, usable questionnaires were returned by 66 migrants and 188 nonmigrants. The report concludes from the data that migration is highly related to attitudes toward the home country, as well as personal characteristics such as age and sex. Consequently, a short-run program to reduce emigration should involve government support of education for individuals carefully screened for attitudes and personality traits. In the long run, however, education and the climate for research must be improved so that talent is adequately utilized. (BH)

VT 011 993 ED 048 438
Background Facts on Women Workers in the United States.

Women's Bureau (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
Women's Bureau, Wage and Labor Standards Administration, U.S. Department of Labor, Washington, D.C. 20210 (no charge).
PUB DATE - 70 24p.1970 Revision.

DESCRIPTORS - *WORKING WOMEN; *LABOR FORCE; *EMPLOYMENT STATISTICS; *OCCUPATIONAL SURVEYS; WAGES; ACADEMIC ACHIEVEMENT; AGE; MARITAL STATUS; EMPLOYMENT EXPERIENCE; UNEMPLOYMENT; OCCUPATIONS; TABLES (DATA)

ABSTRACT - In 1969 there were 30.5 million women workers (38 percent of all workers) 16 years of age and over, which represented an increase of 1.3 million since 1968. About 58 percent of the women workers were married and living with their husbands. Labor force participation was highest among mothers with school-age children only (51 percent) and lowest among those with children under 3 years of age (26 percent). The largest occupational groups were: (1) clerical (10 million), (2) service workers (4.7 million), and (3) operatives (4.5 million). The median earnings of full-time year-round workers was $4,457, or 58 percent of the year-round salary for men. About 20 percent of the women but only 8 percent of the men earned less than $3,000, while only 3 percent of the women as compared with 28 percent of the men earned $10,000 or more. These and other data concerning women workers are presented in tabular form. (SB)

VT 012 004
Sobolik, Gayle A.
A History of Business Letter-Writing Theory as Revealed in an Interpretative Analysis of American Collegiate Business Communication Textbooks, 1915-1967.

DOCUMENT NOT AVAILABLE FROM EDRS.
University Microfilms, Inc., 300 North Zeeb Road, Ann Arbor, Michigan 48106.
PUB DATE - Aug70 534p.

DESCRIPTORS - *BUSINESS CORRESPONDENCE; BUSINESS SKILLS; HISTORICAL REVIEWS; *LITERATURE REVIEWS; *TEXTBOOK RESEARCH; *WRITING SKILLS; *TEXTBOOK CONTENT; HUMAN RELATIONS; BUSINESS ENGLISH; BUSINESS EDUCATION

ABSTRACT - Believing that a history of business letter-writing theory may contribute to knowledge in business education, this study traced the evolution of business letter-writing from 1915 to 1967. Business letter-writing theory was defined to include (1) content of the letter body, (2) human relations in business letter writing, and (3) the format, mechanics, and structure of the letter. Using sixty textbooks as the primary source of data, trends were determined, synthesized, and interpreted. Identifiable change in theory during this specified time period is characterized as moderate and gradual with continual emphasis being given to clarity, correctness, completeness, and the you attitude. Modified-block style without paragraph indentions and mixed punctuations have replaced indented style and closed punctuation in popularity. Specific recommendations refer to the increasing awareness that all letters sell good will and that successful business communications may contribute to management success. This Ph.D. dissertation was submitted to the University of North Dakota. (AUTHOR/JS)

VT 012 007
Implementation of Vocational Education in Distribution.

Wisconsin Univ., Madison. Distributive Education Office.
Office of Education (DHEW), Washington, D.C. Div. of Vocational and Technical Education
MF AVAILABLE IN VT-ERIC SET.
Wisconsin Board of Vocational, Technical and Adult Education, 137 East Wilson Street, Madison, Wisconsin 53703 ($1.25).
PUB DATE - 67 120p.Report of a Clinic (Oct. 14-18, 1963).

DESCRIPTORS - *DISTRIBUTIVE EDUCATION; GUIDELINES; VOCATIONAL EDUCATION; *CONFERENCE REPORTS; ADULT PROGRAMS; *CURRICULUM DEVELOPMENT; YOUTH CLUBS; ORGANIZATION; *PROGRAM DEVELOPMENT; SECONDARY EDUCATION; HIGH SCHOOL STUDENTS; RESEARCH NEEDS; EDUCATIONAL PROBLEMS

ABSTRACT - To provide distributive education

supervisors and teachers the opportunity to discuss implications in the report of the Panel of Consultants on Vocational Education and to restate the role of distributive education in light of the anticipated Vocational Education Act of 1963, a national clinic was organized around these papers: (1) "Vocational Education and the National Welfare" by Arthur Harris, (2) "New Dimensions for Distributive Education" by Lane Ash, (3) "The Emerging Program of Distributive Education" by John Beaumont, (4) "The Basis of Occupational Goals" by George Sanders, (5) "Bases for Curriculum Development in Distribution" by Edwin Nelson, (6) "The Vocational Approach in Education for Distribution" by Mary Marks, (7) "Organizational Patterns in Distributive Education" by Sanders and Beaumont, (8) "Staffing the Distributive Education Program" by Mary Marks, (9) "Research as a Means of Attaining Emerging Objectives of Programs of Education in Distribution" by Armstrong, (10) "High School Age Youth" by Samson and Thompson, (11) "Post High School Programs" by Toothman and Haines, (12) "Adult Programs" by Dorr and DeMond, and (13) "Youth with Special Needs" by Gradoni and Runge. Additional information from a post-session meeting is included in the appendixes. (JS)

VT 012 011 ED 050 234
MacKenzie, John R.; MacKenzie, Helen R.
Project BUILD, A Manpower Demonstration Program: February, 1968-March, 1969.

Greater Washington Central Labor Council (AFL-CIO), Washington, D.C.
Washington Building and Construction Trades Council (APL-CIO), Washington, D.C.
Manpower Administration (DOL), Washington, D.C. Office of Special Manpower Programs
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Mar69 86p.

DESCRIPTORS - *DISADVANTAGED YOUTH; *INNER CITY; *APPRENTICESHIPS; *BUILDING TRADES; *DEMONSTRATION PROGRAMS; EDUCATIONALLY DISADVANTAGED; REMEDIAL INSTRUCTION; VOCATIONAL EDUCATION; LABOR UNIONS; INPLANT PROGRAMS
IDENTIFIERS - *PROJECT BUILD

ABSTRACT - This demonstration project was designed to prepare disadvantaged youth from the inner city to meet the requirements for, and perform effectively in, the apprenticeable construction trades in the District of Columbia. Of 160 trainees who were prepared for apprenticeship in two 24-week cycles, there were 143 graduates, of whom 120 were placed in apprenticeship. The report emphasizes the need for a comprehensive program of remedial education, work orientation, and skill training to prepare the individual for apprenticeship. Individual counseling and careful followup are also considered to be of major importance. (BH)

VT 012 017 ED 048 439
Skill Upgrading, Incorporated. Final Report.
Skill Upgrading, Inc., Baltimore, Md.
Manpower Administration (DOL), Washington, D.C. Office of Special Manpower Programs
EDRS PRICE MF-$0.65 HC-$9.87
PUB DATE - 31Mar70 226p.

DESCRIPTORS - *INPLANT PROGRAMS; *ADULT VOCATIONAL EDUCATION; *ENTRY WORKERS; *SKILL DEVELOPMENT; *EDUCATIONALLY DISADVANTAGED; EDUCATIONAL PROGRAMS; PROMOTION (OCCUPATIONAL); FOLLOWUP STUDIES
IDENTIFIERS - *HIGH INTENSITY TRAINING; HIT

ABSTRACT - As in two other projects in Cleveland and Newark, New Jersey, this project was set up in Baltimore to provide technical assistance in designing ways to meet in-plant skills needs by upgrading job skills on entry workers through High Intensity Training (HIT). Skill Upgrading, Inc. was established in Maryland to provide training and manpower consulting services to public and private sectors of industry. Along with HIT, other approaches to providing manpower analysis and employee training were used as needed: job related education, orientation programs, and supervisory development training for existing and potential supervisors and management personnel. During an 18-month period, 20 programs were conducted in 17 hospitals, schools, and private manufacturing, food processing, and retail businesses. A followup study of 99 of the 214 workers who completed the programs showed that 77 percent received jobs for which they were trained at an average salary increase of 21 cents an hour. However, the program failed to develop project continuity through local financial support and responsibility. (Author/BH)

VT 012 026 ED 048 440
Career Mobility for Paraprofessionals in Human Service Agencies. MDTA Experimental and Demonstration Findings No. 8.

National Committee on Employment of Youth, New York, N.Y.
Manpower Administration (DOL), Washington, D.C. Office of Special Programs
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Dec69 154p.

DESCRIPTORS - *JOB DEVELOPMENT; *CAREER OPPORTUNITIES; *FEDERAL PROGRAMS; *PROMOTION (OCCUPATIONAL); EMPLOYMENT OPPORTUNITIES; EMPLOYMENT QUALIFICATIONS; ENTRY WORKERS; PROFESSIONAL OCCUPATIONS; MANPOWER UTILIZATION; *EDUCATIONALLY DISADVANTAGED
IDENTIFIERS - *NEW CAREERS

ABSTRACT - This report describes the experience of a group of New Careers Paraprofessionals who were trained in human service occupations by the National Committee on Employment of Youth (NCEY) in a special project in 1965 and 1966 and employed by a variety of public and private human service agencies. The report provides data on the longest period for followup (nearly 4 years) of any New Careers program and systematically documents the problems of career advancement. In an attempt to measure the impact of paraprofessionals on the participating

agencies and to identify the factors involved in mobility, 26 NCEY graduates and 37 agency personnel were interviewed in a cross-section of involved agencies. The study found that opportunities for advancement are severely limited for paraprofessionals, mainly because of rigid educational requirements for higher level jobs. The report is useful to New Careers program planners and administrators, and to potential employers, as an aid in eliminating obstacles to career mobility. (BH)

VT 012 029 ED 048 441
Fairchild, Charles K.
Worker Relocation: A Review of U.S. Department of Labor Mobility Demonstration Projects. Final Report.

Shelley (E.F.) and Co., Inc., Washington, D.C.
Manpower Administration (DOL), Washington, D.C. Office of Special Manpower Programs
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - 27Apr70 179p.

DESCRIPTORS - *OCCUPATIONAL MOBILITY; *RELOCATION; *UNEMPLOYED; *FEDERAL PROGRAMS; *EMPLOYMENT PROGRAMS; MANPOWER UTILIZATION; JOB DEVELOPMENT; EMPLOYMENT OPPORTUNITIES; PROGRAM EVALUATION

ABSTRACT - This report reviews the knowledge gained in 4 years of operation of labor mobility demonstration projects and provides guidelines on the design and operation of a permanent worker relocation program. Data were gathered both from written material covering the experience of each project and from field trips to some of the projects when additional data were needed for interpretative purposes. Measured in terms of program costs, training, relocation, and financial assistance, the labor mobility projects demonstrated that worker relocation can be used efficiently to assist unemployed people of various backgrounds and skill levels to find employment. As a possible method to alleviate structural unemployment caused by changes in the location and composition of economic activity, worker relocation can be an important part of a comprehensive national program for manpower development and utilization. (BH)

VT 012 033
Pollmann, James C.; Gadda, H.W.
A Study of High School Seniors from Two South Dakota Area Vocational-Technical School Areas Who Are Interested in Non-Farm Agricultural Occupations.

South Dakota Agricultural Experiment Station, Brookings.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Sep70 9p.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; SENIORS; *OCCUPATIONAL CHOICE; *OCCUPATIONAL GUIDANCE; SURVEYS; AREA VOCATIONAL SCHOOLS; OCCUPATIONAL INFORMATION; POST SECONDARY EDUCATION; *OFF FARM AGRICULTURAL OCCUPATIONS; OCCUPATIONAL ASPIRATION; PROGRAM DEVELOPMENT

ABSTRACT - High school seniors from two South Dakota vocational-technical school areas were surveyed to identify those interested in off-farm agricultural occupations. Of the 779 questionnaires sent out to 70 schools, only 245 were usable for compiling the results. The findings indicate that at least 158 seniors are interested in these occupations, with the majority of the boys indicating an interest in farm machinery sales and service and a majority of the girls interested in occupations in ornamental horticulture. Seventy-three percent of the boys, and 40 percent of the girls expressed a desire to enroll in a vocational-technical school. (GEB)

VT 012 035
Bailey, Ann
Apprenticeship Survey. Final Report.

Utah Research Coordinating Unit for Vocational and Technical Education, Salt Lake City.
Office of Education (DHEW), Washington, D.C. Bureau of Research
MF AVAILABLE IN VT-ERIC SET.
OEG-4-7-063046-1612 08
BR-6-3046
PUB DATE - Apr70 21p.

DESCRIPTORS - *APPRENTICESHIPS; *STATE SURVEYS; QUESTIONNAIRES; OCCUPATIONAL SURVEYS; *EMPLOYER ATTITUDES
IDENTIFIERS - *UTAH

ABSTRACT - Private non-union contractors were surveyed to determine their interest in a state program designed to provide training and promotion for their employees. A second objective was to determine what an approved apprenticeship program would be, particularly who would approve it and who would establish program requirements. Findings, based on 28 (41 percent) response to a short five-item questionnaire, were: (1) A majority of the non-union contractors do not utilize an apprenticeship type training program, (2) Some felt such a training program was necessary, (3) A majority indicated a willingness to participate in an apprenticeship type training program, (4) There is no general set of requirements for apprenticeship and promotion, (5) Each occupational skill has a set of apprenticeship standards, with negotiable and non-negotiable sections, and (6) Standards for apprenticeship vary little from occupation to occupation; the set-up is generally uniform for all skills. (GR)

VT 012 045 ED 048 442
Athelstan, Gary T., And Others
Pilot Study of the Practice of Physical Medicine and Rehabilitation. Final Report.

American Rehabilitation Foundation, Inc., Minneapolis, Minn.
Social and Rehabilitation Service (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29

PUB DATE - Mar70 30p.

DESCRIPTORS - MEDICAL SERVICES; *REHABILITATION; *CLINICAL EXPERIENCE; PARAMEDICAL OCCUPATIONS; MANPOWER UTILIZATION; PROFESSIONAL TRAINING; *RESEARCH METHODOLOGY; *EVALUATION TECHNIQUES; *INTERACTION PROCESS ANALYSIS; BEHAVIOR PATTERNS; TAXONOMY
IDENTIFIERS - *PHYSIATRISTS; PHYSICAL MEDICINE

ABSTRACT - This study is intended to provide the methodology for a full-scale study which will develop a model of physician behavior in the practice of physical medicine, evaluate the adequacy of residency training in this field, and analyze the role of paramedical personnel in rehabilitation. Regular staff members of the Commission on Education in Physical Medicine and Rehabilitation recorded the activities of eight physiatrists for 4 months. Although acquainted with medical terminology, they were not familiar with the practice of physical medicine, and they avoided all unnecessary interference, so that their influence would not bias the data. The data classification techniques developed from the observations demonstrate the feasibility and desirability of a comprehensive study. (BH)

VT 012 050 ED 048 443
Main, Ray E.
The Effectiveness of Flash Cards in a Mathematical Self-Study Course for Group IV Personnel.

Naval Personnel Research Activity, San Diego, Calif. Navy Training Research Lab.
EDRS PRICE MF-$0.65 HC-$3.29
SRM 70-20
PUB DATE - Jun70 18p.

DESCRIPTORS - *ARITHMETIC; *TEACHING TECHNIQUES; MILITARY TRAINING; EVALUATION; *INSTRUCTIONAL MATERIALS; PROGRAMED INSTRUCTION; ENLISTED MEN; TEACHING METHODS; *SLOW LEARNERS; LEARNING ACTIVITIES

ABSTRACT - As part of continuing research aimed at identifying optimal methods for training Navy personnel who have achieved marginal scores on military selection tests, flash card instruction methods were adapted for application to a comprehensive range of basic mathematical operations involved in a previously developed course in fundamental mathematics. Supplementing the standard course work with flash card instruction did not result in significantly higher performance gains, and the study concluded that applying flash methods to the relatively wide range of content complexity involved in this study was not effective. (Author/BH)

VT 012 051 ED 050 236
Earle, Timothy C.
Task Learning, Interpersonal Learning and Cognitive Complexity.

Oregon Research Inst., Eugene.
Office of Naval Research, Washington, D.C.
Personnel and Training Research Branch
EDRS PRICE MF-$0.65 HC-$3.29
ORIB-Bull-Vol-10-No-2
PUB DATE - May70 82p.

DESCRIPTORS - *PAIRED ASSOCIATE LEARNING; *LEARNING ACTIVITIES; *INTERACTION PROCESS ANALYSIS; *LEARNING EXPERIENCE; *LEARNING THEORIES; INTERPERSONAL RELATIONSHIP; LEARNING DIFFICULTIES; INTERGROUP RELATIONS; DECISION MAKING; COMPLEXITY LEVEL

ABSTRACT - The study of human learning has neglected interpersonal learning, mainly because of its complexity. However, with the recent development of a new methodology and research paradigm, empirical studies have been initiated. This is a report on one such study, involving 40 male University of Oregon students divided into two groups of 10 pairs of subjects. The task learning (TL) group and the interpersonal learning (IPL) group were trained for 60 trials to predict a numerical criterion on the basis of two numerical cues (X1 and X2). For the TL group, pairs of subjects were trained to use the same cue according to the same rule. For half the pairs, X1 was linearly related to the criterion, while for the rest, X1 was a nonlinear cue. In the IPL group, each pair was differentially trained, with one using X1 as a linear cue, and the other using X2 as a nonlinear cue. When the pairs were combined for a task involving two equally valid linear and nonlinear cues, the IPL group adapted significantly better to the task due to the linear subjects' inability to learn to use the nonlinear cue on the basis of task learning alone. (BH)

VT 012 054 ED 048 444
The Cost and Output of Graduate Social Work Education: An Exploratory Study.

Cooper and Co., Stamford, Conn.
Social and Rehabilitation Service (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (HE17.2:G75, $1.75)
PUB DATE - Aug70 203p.

DESCRIPTORS - *SOCIAL WORK; *GRADUATE STUDY; *PROFESSIONAL EDUCATION; *COST EFFECTIVENESS; RESEARCH METHODOLOGY; *DECISION MAKING; EDUCATIONAL OBJECTIVES

ABSTRACT - This study of cost-sensitive factors and relationships in graduate social work education is a first step in developing concepts and research methodology as a basis for further research to aid administrators in making decisions for more effective use of resources. Identification of costs and cost-sensitive factors in approached within the framework of decision theory, since the problem of estimating costs for decision-making involves predicting future consequences of current decisions. Costs are only partially useful as an historical record of past objectives only when viewed in terms of the kinds of decisions that must be made.

The report recommends that the government initiate a national study to generate cost data and analysis, and to assist social work schools in transforming themselves into production operations. (BH)

VT 012 056 ED 050 237
Nikolitch, Radoje
Our 31,000 Largest Farms.

Economic Research Service (DOA), Washington, D.C. Farm Production Economics Research Div.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (A93.28:175, $.65).
PUB DATE - Mar70 70p.

DESCRIPTORS - *ORGANIZATION SIZE (GROUPS); *AGRICULTURAL PRODUCTION; *FARMERS; *FARM MANAGEMENT; FARM LABOR; BACKGROUND; AGRICULTURAL PERSONNEL; RURAL DEVELOPMENT; RURAL ECONOMICS; RESOURCES

ABSTRACT - Between 1959 and 1964, the number of farms with annual product sales of over $100,000 rose from 19,979 to 31,401, increasing this group's share of the market from 16 to 24 percent. During the same period, the 408 farms reaching the $1 million mark with a 4 percent share of the market increased to 919 farms with 7 percent of the market. This report analyzes the characteristics of these increasingly important large-scale farms. The data indicate that the operators of the larger farms differ from other operators in educational background, but not in age. The typical large-scale farm is a meat-producing farm located in the West. The report notes that technical efficiency is greater on the large farm, but the ratio of purchased inputs per unit of output is much lower for the small farm. (BH)

VT 012 057 ED 044 521
BARNETT, KATHRYN E.
THE DEVELOPMENT OF A THEORETICAL CONSTRUCT OF THE CONCEPTS OF TOUCH AS THEY RELATE TO NURSING. FINAL REPORT.

NORTH TEXAS STATE UNIV., DENTON.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH.
EDRS PRICE MF-$0.75 HC-$7.20
OEG-7-70-0163-509 24
BR-0-G-027
PUB DATE - AUG 70 142P.

DESCRIPTORS - ADMINISTRATOR RESPONSIBILITY; *COMMUNICATION SKILLS; DEVELOPMENT; EDUCATIONAL NEEDS; *HEALTH OCCUPATIONS EDUCATION; MEDICAL SERVICES; *NONVERBAL COMMUNICATION; *NURSING; *PATIENTS (PERSONS); TEACHER RESPONSIBILITY; THEORIES

ABSTRACT - TO DEVELOP A THEORETICAL CONSTRUCT OF TOUCH AS IT RELATES TO NURSING, AN EXTENSIVE WAS MADE OF THE BASIC AND ACCEPTED THEORIES OF TOUCH, AND A SURVEY WAS CONDUCTED OF CURRENT PRACTICES OF TOUCH BY APPROXIMATELY 900 HEALTH PERSONNEL IN TWO DALLAS, TEXAS HOSPITALS. SURVEY DATA WERE GATHERED BY OBSERVATION OF 180 SESSIONS INVOLVING APPROXIMATELY 540 PATIENTS AND WAS LIMITED TO THE NATURE AND EXTENT OF THE TOUCH RATHER THAN ITS EFFECT ON THE PATIENT. THE FINDINGS INDICATED THAT A MAJORITY OF THE PATIENTS WERE TOUCHED IN SOME WAY AND THAT MANY CIRCUMSTANCES, SUCH AS AGE, SEX, RACE, AND SOCIOECONOMIC BACKGROUND INFLUENCED ITS USE. REGISTERED NURSES TOUCHED ALMOST TWICE AS OFTEN AS OTHER PERSONNEL, AND THE AREAS MOST FREQUENTLY TOUCHED WERE THE PATIENT'S HAND, FOREHEAD, AND SHOULDER. PATIENTS ON THE PEDIATRIC, LABOR AND DELIVERY, AND INTENSIVE CARE WARDS RECEIVED THE MOST TOUCH, AND THOSE LISTED IN GOOD AND FAIR CONDITIONS WERE TOUCHED 70 PERCENT MORE OFTEN THAN THOSE ACUTELY ILL. FROM THE FINDINGS AND BASED ON CONCEPTS OF TOUCH, A THEORETICAL CONSTRUCT WAS DEVELOPED WHICH STATES THAT TOUCH IS AN INTEGRAL PART OF NURSING INTERVENTION AND IS TO BE USED JUDICIOUSLY AS A MEANS AND BASIS OF COMMUNICATION. (SB)

VT 012 060 ED 045 824
SARGEANT, DONALD G.
AN EXPERIMENT EVALUATING METHODS OF DISSEMINATION OF BUSINESS SIMULATION INSTRUCTIONAL MATERIALS TO AGRICULTURE TEACHERS.

DOCUMENT NOT AVAILABLE FROM EDRS.
UNIVERSITY MICROFILMS, INC., 300 NORTH ZEEB ROAD, ANN ARBOR, MICHIGAN 48106
PUB DATE - JUN 70 150P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; BIBLIOGRAPHIC CITATIONS; DOCTORAL THESES; *HIGH SCHOOL STUDENTS; *INFORMATION DISSEMINATION; INSTRUCTIONAL IMPROVEMENT; *INSTRUCTIONAL MATERIALS; *VOCATIONAL AGRICULTURE TEACHERS

ABSTRACT - TO DEVELOP A BUSINESS MANAGEMENT INSTRUCTIONAL UNIT AND TO EVALUATE THE EFFECTIVENESS OF ALTERNATIVE METHODS OF DISSEMINATING THIS INSTRUCTIONAL MATERIAL TO AGRICULTURE TEACHERS, THIS STUDY UTILIZED THE EFFORTS OF 36 TEACHERS AND TWO METHODS OF DISSEMINATING INSTRUCTIONAL MATERIAL. THREE-HOUR WORKSHOPS WERE HELD AT THREE LOCATIONS TO DISTRIBUTE THE EDUCATIONAL MATERIAL AND TO INSTRUCT 18 TEACHERS ON HOW TO TEACH THE BUSINESS MANAGEMENT UNIT EFFECTIVELY. EIGHTEEN OTHER TEACHERS RECEIVED THE SAME MATERIALS AND INSTRUCTION ON AN INDIVIDUAL BASIS IN THEIR HOME SCHOOLS. FINDINGS REVEAL THAT INSTRUCTIONAL MATERIAL DEVELOPMENT AND DISSEMINATION SHOULD INVOLVE THE TEACHERS ON AN INDIVIDUAL BASIS IN THEIR HOME SCHOOLS. STUDENT ACHIEVEMENT WAS FOUND TO BE BETTER WITH CLASSES OF LESS THAN 15 STUDENTS AND ALL OF ONE GRADE LEVEL WITH SPECIAL EDUCATION STUDENTS EXCLUDED. RECOMMENDATIONS INCLUDE: (1) PROJECTS DESIGNED TO DEVELOP AND DISSEMINATE INSTRUCTIONAL MATERIAL SHOULD BE CONTINUED AND PROVIDE FOLLOWUP SUPERVISION TO HIGH SCHOOL TEACHERS, (2) INSTRUCTIONAL MATERIAL DEVELOPERS SHOULD INVOLVE HIGH SCHOOL TEACHERS AND STUDENTS, (3) AGRICULTURAL BUSINESS MANAGEMENT PRINCIPLES SHOULD BE TAUGHT TO HIGH SCHOOL STUDENTS, AND (4) FUTURE STUDIES SHOULD INVESTIGATE THE EFFECTIVENESS OF STUDENT LEARNING AND COST

BENEFIT IN DISSEMINATION. THIS PH.D. DISSERTATION WAS SUBMITTED TO PENNSYLVANIA STATE UNIVERSITY. (GB)

VT 012 087
Guidelines for Personnel and Program Approval.

Decatur Public School District 61, Ill. Dept. of Vocational Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 16p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *STANDARDS; *COMPREHENSIVE PROGRAMS; *PROGRAM ADMINISTRATION; ELEMENTARY GRADES; INTERMEDIATE GRADES; SECONDARY GRADES; AREA VOCATIONAL SCHOOLS; ADMINISTRATOR QUALIFICATIONS; SUPERVISOR QUALIFICATIONS; TEACHER QUALIFICATIONS; HEALTH SERVICES

ABSTRACT - Developed for the Decatur, Illinois, school system, this publication contains recommendations, guidelines, and regulations for creating an approvable comprehensive vocational program for grades K-12 and the area vocational center. Qualifications for approval are provided for: (1) local director, (2) assistant local director, (3) local supervisors, (4) local guidance coordinator, (5) teacher of industrial oriented vocational subjects, (6) teacher-coordinator of industrial oriented subjects, business and office occupations, and distributive education, (7) health services supervision, (8) health services approval of teachers, (9) duties, responsibilities, and training requirements for vocational teachers, and (10) approvable programs, services, and activities for vocational education. (SB)

VT 012 099
Technicians in Non-Electrical Plant and Machinery Manufacture; Employment and Technology No. 5.

Australian Dept. of Labour and National Service, Melbourne.
MF AVAILABLE IN VT-ERIC SET.
Commonwealth of Australia, Department of Labour and National Service, P.O. Box 2817AA, Melbourne, Victoria 3001, Australia ($.70).
PUB DATE - 69 39p.

DESCRIPTORS - *MANPOWER UTILIZATION; *SUBPROFESSIONALS; TECHNICAL OCCUPATIONS; TECHNOLOGICAL ADVANCEMENT; *MANPOWER NEEDS; *MACHINERY INDUSTRY; INPLANT PROGRAMS; EDUCATIONAL BACKGROUND; NATIONAL SURVEYS; PRODUCTION TECHNICIANS; INDUSTRIAL PERSONNEL; *EMPLOYMENT TRENDS
IDENTIFIERS - *AUSTRALIA

ABSTRACT - The purpose of this 1968 survey was to learn more about the employment of technicians in Australia, including employment trends, type of work, training, and qualifications. Questionnaires completed by 141 representative firms in the machinery industry were supplemented by interviews with officials of 62 of the firms. Although firms had difficulty associating recent technological changes with changed manpower needs, many felt that technology accounted for their increased demand for technicians. Technician shortages experienced by most of the firms over the past 5 years were being met by overtime, upgrading, and by employing technologists as technicians when possible. The shortages projected through 1973 probably understate actual needs, since many firms create new skilled positions if the manpower were made available. (BH)

VT 012 114
Report of Sixth Vocational Guidance Systems Conference (Villa Park, Illinois, December 19-20, 1969).

Willowbrook High School, Villa Park, Ill.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 69 39p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *CONFERENCE REPORTS; *OCCUPATIONAL GUIDANCE; EDUCATIONAL GUIDANCE; GUIDANCE FACILITIES; *COMPUTER ORIENTED PROGRAMS; *SYSTEMS APPROACH; PROGRAM DESCRIPTIONS; PROGRAM EVALUATION

ABSTRACT - For the past 4 years, 20 to 30 professionals who are interested and involved in the development and implication of computer-based guidance systems have met once or twice per year to share philosophies, issues, and findings, and to view systems as they became operational. Thus, this document is a summary of presentations given at this 2-day conference. Individual progress reports were presented for such projects as the Educational and Career Exploration System and the Computer-Assisted Manpower Matching Systems. Panel discussions were organized around (1) the feasibility of integrating various computerized vocational guidance systems, (2) new hardware and/or software developments, and (3) the assessment of the effectiveness of vocational guidance systems. The conference closed with a demonstration and a discussion of implementation problems concerning a computerized vocational information system. (JS)

VT 012 115 ED 048 445
Project Crossroads--Phase 1. Final Report (January 15, 1968-May 15, 1969).

National Committee for Children and Youth, Washington, D.C.
Manpower Administration (DOL), Washington, D.C. Office of Special Manpower Programs
EDRS PRICE MF-$0.65 HC-$6.58
NCCY Project Crossroads, 527-6th Street, N.W., Washington, D.C. 20001.
PUB DATE - ND 114p.

DESCRIPTORS - *CORRECTIONAL REHABILITATION; *PRISONERS; *EMPLOYMENT SERVICES; RECIDIVISM; JOB PLACEMENT; PILOT PROJECTS; DELINQUENT REHABILITATION; OUT OF SCHOOL YOUTH; *MANPOWER DEVELOPMENT
IDENTIFIERS - DISTRICT OF COLUMBIA

ABSTRACT - In this pilot program, pretrial manpower services are provided for first

offenders in juvenile and adult courts in the District of Columbia. The project offers intensive services to selected youthful arrestees during a 90-day continuance of their trials. At the end of this period charges may be dropped, on the recommendation of the project staff. About 60 percent of the first 162 participants whose cases received judicial review had their charges dismissed because of satisfactory project participation. Project staff consists of Volunteers in Service to America and community volunteers for supportive services, as well as some ex-offenders. Job placement for youth has been the most serious problem in a city with little industry. The re-arrest rate for participants was 9 percent after the first year and a half of operation. The primary objective of the second phase is to provide an assessment of the impact of project services on participants, but will include continued exploration and improvements. (Author/BH)

VT 012 116 ED 048 446
A Job Placement and Group Vocational Guidance Program for Culturally Deprived High School Youth. Phase I June 28, 1968, through June 30, 1969.

Vocational Guidance Service, Houston, Tex.
Manpower Administration (DOL), Washington, D.C. Office of Special Manpower Programs
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 69 41p.

DESCRIPTORS - *DISADVANTAGED YOUTH; CULTURAL DISADVANTAGEMENT; *GROUP COUNSELING; *JOB PLACEMENT; *GUIDANCE PROGRAMS; *SECONDARY SCHOOL STUDENTS; OCCUPATIONAL GUIDANCE
IDENTIFIERS - HOUSTON

ABSTRACT - This report on the first year's operation of a program providing group counseling and placement services for disadvantaged youth in Houston, Texas, outlines the development of relationships with schools, business, labor, students, and other agencies. It includes an overview of materials presented to the students and techniques used in the presentation. Despite the success of the first year, the program can be improved by increasing individual counseling and cutting the 30-week group program to 18 weeks. Suggestions are made in program developmental sequence to help guidance program administrators establish similar programs elsewhere. (BH)

VT 012 121
Kinnick, Robert J.
Coordinated Program of Vocational Rehabilitation and Special Education Services for the Mentally Retarded (Ohio County). Final Report.

West Virginia State Board of Vocational Education, Charleston, Div. of Vocational Rehabilitation.
Social and Rehabilitation Service (DHEW), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Jan68 190p.

DESCRIPTORS - *VOCATIONAL REHABILITATION; *SPECIAL EDUCATION; *COOPERATIVE PROGRAMS; *TRAINABLE MENTALLY HANDICAPPED; DEMONSTRATION PROJECTS; MENTAL RETARDATION; YOUTH EMPLOYMENT

ABSTRACT - The main purpose of this project was to demonstrate that a coordinated program of vocational rehabilitation and special education could result in employment for a significant number of mentally retarded youths. Project participants, who were between 14 and 21 years of age and were within the I.Q. range of 40 to 83, were chosen through referrals by teachers, administrators, or the field counselor. Having rehabilitated 55 of 231 participants, the project has demonstrated the employability of the mentally retarded in unskilled and semiskilled jobs. Careful considerations of abilities and interests in making job placements, small caseloads for counselors, and full parental cooperation are essential for success. (BH)

VT 012 127 ED 048 447
Galchus, Kenneth Edward
The Elasticity of Substitution of White for Nonwhite Labor.

Washington Univ., St. Louis, Mo.
Manpower Administration (DOL), Washington, D.C. Office of Manpower Research
DOCUMENT NOT AVAILABLE FROM EDRS.
University Microfilms, Inc., P.O. Box 1764, Ann Arbor, Michigan 48106 (Order No. 70-26,860, MF-$4.00, Xerography-$10.00).
PUB DATE - Jun70 110p.

DESCRIPTORS - *LABOR MARKET; *ECONOMIC FACTORS; *RACIAL DISCRIMINATION; *SALARY DIFFERENTIALS; *NEGROES; ECONOMIC RESEARCH; PRODUCTIVITY; NEGRO EMPLOYMENT; RACIAL SEGREGATION; RACIAL ATTITUDES

ABSTRACT - This study calculates the degree of substitutability between white and nonwhite labor within various occupational categories, in order to determine the extent of racial discrimination and to derive demand curves for nonwhite labor. The model developed in the study treats employer discrimination as a differential between total and money costs to the employer of hiring a nonwhite, whereas employee and consumer discrimination are incorporated into the firm's isoquant. The model avoids the restriction of the Cobb-Douglas production function, assuming only that the function has constant elasticity of substitution between capital and labor. The study concludes that when quality differentials are removed, whites and nonwhites are perfect substitutes, implying that the work force will be totally segregated when there exists a nonzero discrimination coefficient, which measures the utility or disutility of hiring nonwhites. The frequency of integrated firms indicates that many employers and employees have zero discrimination coefficients. The results are useful aids in choosing the proper policy instruments to raise the nonwhite wage rate. This Ph.D. dissertation

was submitted to Washington University. (BH)

VT 012 129
McKinnon, Rachel, and Others
A Follow-up Study of Graduates from a Vocational Rehabilitation Program in a Residential Training Center for the Mentally Retarded.

California State Human Relations Agency, Sacramento. Dept. of Rehabilitation.
MF AVAILABLE IN VT-ERIC SET.
FSS 70-8-9
California State Human Relations Agency, Department of Rehabilitation, 714 P Street, Sacramento, California 95814 (single copies no charge).
PUB DATE - 21Aug70 47p.

DESCRIPTORS - *VOCATIONAL REHABILITATION; *VOCATIONAL FOLLOWUP; MENTALLY HANDICAPPED; *MENTAL RETARDATION; *RESIDENTIAL PROGRAMS; RESIDENTIAL CENTERS; GRADUATE SURVEYS; *PROGRAM EVALUATION

ABSTRACT - To determine the success or failure of the Agnews State Hospital Residential Training Program for the Mentally Retarded, 136 men and women who left the program as either vocationally rehabilitated or not vocationally rehabilitated were interviewed. In addition, employers, operators of the subjects' place of residence, and a few families were interviewed. Data revealed that almost half of the 136 subjects were judged to be vocationally rehabilitated at the time that Department of Rehabilitation services were discontinued, and 75 percent of those rehabilitated were still employed. Vocationally rehabilitated persons averaged 41 years of age, had an average IQ of 46, spent an average of 2.3 years in the program, and 18 years in institutions for the mentally retarded. The rehabilitation rate was higher among the men than the women. Among those not rehabilitated, women were more likely to be residing in the community while men more often returned to the hospital. The board and home care operators and employers exhibited very positive attitudes toward the graduates. Several followup instruments are appended. (SB)

VT 012 130
Walker, James A.; Petrocchi, David
A Survey of Physically and Mentally Handicapped Welfare Recipients Who Have Vocational Rehabilitation Potential.
Rehabilitation Research Report.

California State Human Relations Agency, Sacramento. Dept. of Rehabilitation.
MF AVAILABLE IN VT-ERIC SET.
FSS 70-5-4
California State Human Relations Agency, Department of Rehabilitation, 714 P Street, Sacramento, California 95814 (single copies without charge).
PUB DATE - 19May70 35p.

DESCRIPTORS - *HANDICAPPED; TABLES (DATA); *WELFARE RECIPIENTS; *EMPLOYMENT POTENTIAL; *VOCATIONAL REHABILITATION; *STATE SURVEYS; INDIVIDUAL CHARACTERISTICS
IDENTIFIERS - CALIFORNIA

ABSTRACT - This report describes a 1969 survey of recipients of blind aid in Los Angeles County, followed by a state-wide survey of disabled welfare recipients. The survey reached 13 percent of those on welfare in California, although this varied from 2 percent of those receiving Aid to Families with Dependent Children to 83 percent of the recipients of Aid to the Totally Disabled. On the basis of severity of disability, age, education, experience, and family or personal problems, nearly one out of eight welfare recipients was selected for potential rehabilitation. The seven tables included in the report provide a distribution of referrals by county, age, sex, type of disability, and disposition after referral. (BH)

VT 012 131
Savino, Michael T.; Zobo, Lawrence J.
A Two Year Follow-Up of a Cooperative Vocational Rehabilitation Program at Metropolitan State Hospital.

California State Human Relations Agency, Sacramento. Dept. of Rehabilitation.
MF AVAILABLE IN VT-ERIC SET.
FSS 70-4-6
California State Human Relations Agency, Department of Rehabilitation-714 P Street, Sacramento, California 95814 (single copies without charge).
PUB DATE - 1Apr70 19p.

DESCRIPTORS - *VOCATIONAL REHABILITATION; *MENTAL ILLNESS; *PSYCHIATRIC HOSPITALS; *COOPERATIVE PROGRAMS; *FOLLOWUP STUDIES; PATIENTS (PERSONS); INDIVIDUAL CHARACTERISTICS; TABLES (DATA)

ABSTRACT - To provide results of 2 years experience with a shared data program and suggest how a more complete description of patient chacacteristics resulting from shared data can achieve program objectives, 513 referrals to the Metropolitan State Hospital Cooperative Vocational Rehabilitation Program during 1967-68 were followed until June 30, 1969. Of every 10 patients referred to the program during 1968, approximately nine were closed, with about half the closures occurring before receiving plan services. Of the five who received plan services, about two failed and almost three were rehabilitated to gainful occupations. In 1968, 24 percent of the closures were rehabilitated while in 1969, 27 percent were rehabilitated. Analysis of sociopsychiatric characteristics yielded these relationships: (1) The older client is more likely to be rehabilitated, (2) Females are more likely to be rehabilitated than males, (3) There was a tendency for those who had completed either high school or college to succeed more frequently than those who had dropped out of either, (4) Clients who had never married were significantly underrepresented among the rehabilitations, and (5) The non-psychotic patients were more likely to be accepted for

service and, once accepted, more likely to be rehabilitated. (SB)

VT 012 139 ED 050 238
Annual Review of Selected Developments; Agricultural Education and Training.

United Nations Food and Agriculture Organization, Rome (Italy).
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - 68 102p.

DESCRIPTORS - *AGRICULTURAL EDUCATION; TECHNICAL EDUCATION; EDUCATIONAL DEVELOPMENT; HOME ECONOMICS EDUCATION; COLLEGE CURRICULUM; RURAL EXTENSION; TEACHER EDUCATION; MANPOWER UTILIZATION; INSTRUCTIONAL MATERIALS; *DEVELOPING NATIONS; INTERNATIONAL ORGANIZATIONS; *FOREIGN COUNTRIES; HUMAN RESOURCES

ABSTRACT - This document is the second in a series designed to describe agricultural education projects and practices which have been successful in promoting agricultural change and improvement in areas of the world where subsistance agriculture predominates. The projects are included here because of their emphasis on development of human resources and potential use in world settings. The 16 projects described relate to specific agricultural education concerns, such as instructional media, development of areas of production agriculture, educational levels and educational agencies. The production agriculture topics include training courses for fishery staff, horticulturists and forestry. The uses of radio broadcasting and textbooks projects are described. Plans are included on the World Conference on Agricultural Education and Training in Copenhagen, 1970 and the statutes of the joint advisory committee of the FAO, UNESCO, and ILO. (RR)

VT 012 155
Technical Education and Industrial Training.

Papua and New Guinea Univ., Port Moresby.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70. 265p.Proceedings of the Lae Seminar (Oct 9-11, 1969).

DESCRIPTORS - *MANPOWER NEEDS; *DEVELOPING NATIONS; *ECONOMIC DEVELOPMENT; *EDUCATIONAL COORDINATION; *MANPOWER DEVELOPMENT; EDUCATIONAL DEVELOPMENT; EDUCATIONAL PLANNING; INTERAGENCY COOPERATION
IDENTIFIERS - PAPUA; NEW GUINEA

ABSTRACT - As a consequence of an attempt to build rapidly the skilled labor supply needed for development, both fragmentation and duplication of effort have occurred among the many small vocational training programs in Papua and New Guinea. This seminar was held to coordinate the various training activities in a cooperative program of manpower development. The seminar recommended the establishment of a human resources development authority to coordinate programs and provide national manpower information and standards. (Not recommended for hard copy reproduction due to marginal legibility of original document). (BH)

VT 012 161 ED 050 239
Highcove, J., And Others
Base Engineer Automated Management System (BEAMS): Implementation/Conversion Team Education.

Technical Communications, Inc., Los Angeles, Calif.
Air Force Human Resources Lab., Wright-Patterson AFB, Ohio
EDRS PRICE MF-$0.65 HC-$3.29
AFHRL-TR-69-21
PUB DATE - Oct69 50p.

DESCRIPTORS - *CIVIL ENGINEERING; *MANAGEMENT SYSTEMS; *MILITARY TRAINING; *SUBPROFESSIONALS; MILITARY AIR FACILITIES; ENGINEERING TECHNICIANS; OFFICER PERSONNEL; ELECTRONIC DATA PROCESSING; *COMPUTER PROGRAMS; TECHNICAL EDUCATION
IDENTIFIERS - *BASE ENGINEER AUTOMATED MANAGEMENT SYSTEM; BEAMS; AIR FORCE

ABSTRACT - As part of an effort to replace various types of computer equipment with a single advanced computer system, each of the 17 major air commands formed an Implementation/Conversion (I/C) Team to provide assistance to the approximately 200 Air Force bases involved. This report describes the education course used to prepare the I/C teams. The importance of the training is emphasized for reasons of motivation as well as the educational benefits. The report notes that the use of actual I/C team members as instructors contributed significantly to success of the course. (BH)

VT 012 169
Schmiedeberg, Judy
Follow-Up Study of the Graduates of the Albuquerque Technical-Vocational Institute.

Albuquerque Technical-Vocational Inst., N. Mex.
New Mexico Occupational Research and Development Coordinating Unit, Santa Fe
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Apr70 48p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *GRADUATE SURVEYS; *VOCATIONAL FOLLOWUP; OCCUPATIONAL CHOICE; SALARIES; STUDENT CHARACTERISTICS; *COMMUNITY COLLEGES; JOB TRAINING

ABSTRACT - To determine the success of the training programs of the Albuquerque Vocational-Technical Institute, questionnaires were mailed to 2,236 graduates. Out of the 807 responses, 381 represented day division graduates and 426 represented the evening division. Of the 477 graduates who indicated a salary range, 24 percent have earnings in the $301-$400 per month range, with an average of $369.50 per month. At the full-time employment level, 25 percent were working in non-training-related jobs with an average salary of $380 per

onth, while 66 percent were working at training-related jobs with an average salary of $393 per month. A total of 144 of the graduates are unemployed, and of these 22 are going to school full time, 83 are unemployed and seeking work, and seven are unemployed but not seeking work. The largest unemployed group is office occupations graduates, followed by sales, health occupations, accounting, and data processing. These and other data are described and presented in tabular form. (SB)

VT 012 174
Conklin, Norma K.
Reading Institute for Vocational Teachers (March 20, 1969 to June 30, 1970). Director's Report.

Ferris State Coll., Big Rapids, Mich.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Jul70 39p.

DESCRIPTORS - *VOCATIONAL EDUCATION TEACHERS; *INSERVICE TEACHER EDUCATION; *READING INSTRUCTION; READING SKILLS; READING IMPROVEMENT; *STUDENTS; *PROGRAM EVALUATION; INSTITUTES (TRAINING PROGRAMS)

ABSTRACT - A 15-month project funded under the Education Professions Development Act was conducted to help 25 Michigan vocational teachers become more aware of their students' reading problems, to introduce teachers to reading skills needed for their subject matter, to provide teachers with material written at a more readable level, and to encourage teachers to upgrade their students' reading proficiency. The four project phases were: (1) revision of the proposal, (2) a 2-week inservice training program for teachers, (3) a study of the impact of the inservice training program upon the high school students taught during the 1969-70 school year, and (4) a final report. During Phase 3, the Diagnostic Reading Test, Forms A (pretest) and B (posttest) were administered to students in the fall and spring, respectively, while the teachers attended three seminars emphasizing vocabulary development, use of the library, and the teaching of a reading activity. Evaluation of students' reading test scores revealed that gains in reading rate, vocabulary, and comprehension performance were made between the pretest and posttest. Evaluation and comments by the teachers and institute director and appended. (SB)

VT 012 178 ED 050 240
Shenk, Faye
Career Indications Among Junior Officers.

Air Force Personnel Research Div., Lackland AFB, Tex.
EDRS PRICE MF-$0.65 HC-$3.29
AFHRL-TR-69-33
PUB DATE - Sep69 19p.

DESCRIPTORS - *MILITARY SERVICE; *CAREER CHOICE; *LABOR TURNOVER; *OFFICER PERSONNEL; *JOB SATISFACTION; CAREER PLANNING; MILITARY TRAINING; LONGITUDINAL STUDIES
IDENTIFIERS - AIR FORCE

ABSTRACT - A study of officer input from the principal Air Force commissioning programs was undertaken to determine the predictability of an Air Force officer's career decision and to evaluate relationships between career intent and various demographic, environmental, and attitudinal factors. This report describes the study and provides a preliminary examination of the data collected on a group of officers from the pre-commissioning period through 3 years of service. Based on expressed career intent, the most favorable sources of retention were the commissioning programs for enlisted men. The yearly responses to the career intent statement indicated a decline in career intent at least through the first few years of service. Job characteristic factors found to be most important centered around job satisfaction, such as working under competent supervisors, having a sense of accomplishment, and having an opportunity for advancement. Least important values were represented by such factors as early retirement, travel, and having a definite work schedule. In general, the perceived importance of a reward or working condition in the Air Force showed little relationship to the perceived possibility of achieving that factor. (Author/BH)

VT 012 183
Iverson, Maynard J., Comp.
1970-71 Directory of Post-Secondary Education in Agricultural and Natural Resource Occupations.

Ohio State Univ., Columbus. Dept. of Agricultural Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Nov70 43p.

DESCRIPTORS - *DIRECTORIES; *POST SECONDARY EDUCATION; *AGRICULTURE; *NATURAL RESOURCES; *AGRICULTURAL EDUCATION; VOCATIONAL SCHOOLS; TECHNICAL OCCUPATIONS; TECHNICAL EDUCATION

ABSTRACT - This national directory of postsecondary education in agricultural and natural resource occupations was compiled from information received from requests sent to persons listed in earlier directories of post-high school institutions. Information is listed alphabetically by state and includes: (1) contact persons on a statewide basis, (2) institutions in alphabetical order within the state, and (3) programs offered by each institution. (GB)

VT 012 184 ED 048 450
Knape, Ronald E.; Lindamood, William A.
Underemployment Estimates by County, United States, 1960.

Economic Research Service (DOA), Washington, D.C.
DOCUMENT NOT AVAILABLE FROM EDRS.
AER 166
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 ($3.00).

ARM/FALL 71

PUB DATE - Oct69 385p.

DESCRIPTORS - *EMPLOYMENT STATISTICS; *UNDEREMPLOYED; *DEMOGRAPHY; LOW INCOME COUNTIES; *LABOR FORCE; NATIONAL NORMS; *MANPOWER UTILIZATION

ABSTRACT - This is a collection of estimates, by county, of the unutilized labor due to underemployment in 1960. This technique of determining unemployment uses the national median income adjusted for each county's age-color mix, education status, and an employment factor, to provide a county standard against which the actual county median income can be measured. Underemployment exists when even after adjustment for different labor characteristics, the county income is lower than national median income. Because low income and underemployment do not necessarily coincide, public policies to cure either one require knowledge of both. (BH)

VT 012 203
Newton, W.L.
Vocational Instructors Workshops. Final Descriptive Report.

Florida State Univ., Tallahassee. Dept. of Vocational Education.
Florida State Dept. of Education, Tallahassee. Div. of Vocational, Technical, and Adult Education
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Aug70 121p.

DESCRIPTORS - *WORKSHOPS; *VOCATIONAL EDUCATION TEACHERS; *TRADE AND INDUSTRIAL EDUCATION; COSMETOLOGY; AUTO MECHANICS (OCCUPATION); AUTO MECHANICS; MACHINE REPAIRMEN; APPLIANCE REPAIRING; WELDING; *CREDIT COURSES; TEACHER CERTIFICATION; *TEACHER EDUCATION

ABSTRACT - Nine 3-week vocational instructors workshops, which were planned by Florida State University and several collaborating industries in cooperation with the Florida State Department of Education, were held from June 16-July 31, 1970. The workshops and their sponsors were: (1) Welding--Hobart Brothers, (2) Auto Mechanics--Ford Motor Company, Chrysler Corporation, and General Motors Corporation, (3) Machine Shop--collaborating industries, (4) Appliance Repair--G.M.C. Frigidaire Division, (5) Small Engines 1 and 2--Kiekhaefer Mercury, and (6) Cosmetology--collaborating consultants and specialists. Included in the reports of each workshop are the participants' names, a brief description of the workshop activities, participant reactions and suggestions for improvement, and a sample of the certification letter. A more complete report of the cosmetology workshop is available as VT 012 204 (also in this issue). (SB)

VT 012 204
Newton, W.L.
Vocational Instructors Workshop in Cosmetology. Final Descriptive Report.

Florida State Univ., Tallahassee. Dept. of Vocational Education.
Florida State Dept. of Education, Tallahassee. Div. of Vocational, Technical, and Adult Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Aug70 64p.

DESCRIPTORS - *WORKSHOPS; *VOCATIONAL EDUCATION TEACHERS; *TRADE AND INDUSTRIAL EDUCATION; *COSMETOLOGY; COSMETOLOGISTS; HYGIENE; *TEACHER EDUCATION

ABSTRACT - A 3-week vocational teachers workshop, sponsored by Florida State University in cooperation with the Florida State Department of Education, was held to provide 28 cosmetology teachers and 28 students with current and new information. Topics were: (1) Hair Styling, (2) Chemistry, (3) Law and the State Board, (4) Cold Wave Techniques, (5) Color Technology and Techniques, (6) Make-Up, (7) Student Grooming, (8) Thermal Pressing, Waving, and Curling, and (9) a round table discussion of problems and questions. Outlines of the presentations including illustrations and examinations are included. At the end of the workshop, each participant was asked to fill out an evaluation, and these results are summarized. A related document is available as VT 012 203 (also in this issue). (SB)

VT 012 205
Business Office Culture Project. Final Report.

YWCA of the U.S.A., New York, N.Y. National Board.
Manpower Administration (DOL), Washington, D.C. Office of Special Manpower Programs
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Sep69 253p.

DESCRIPTORS - *OUT OF SCHOOL YOUTH; *FEMALES; *BUSINESS EDUCATION; *EMPLOYMENT PROGRAMS; *WORK EXPERIENCE PROGRAMS; EMPLOYMENT OPPORTUNITIES; CLERICAL OCCUPATIONS; VOCATIONAL ADJUSTMENT; COOPERATIVE PROGRAMS

ABSTRACT - This project was organized to test the effectiveness of learning centers set up to improve the employability of young women lacking sufficient skills and work orientation in the business office. The six local projects, in Dallas, Mt. Vernon, Philadelphia, Pittsburgh, St. Louis, and Tacoma, together trained and placed 165 young women in 4- and 5-month programs between July 1968 and April 1969. The project showed that the overall plan could be adapted to local circumstances and coordinated with other agencies to provide a highly successful local employment program for out of school females. (BH)

VT 012 208
Lerman, A., And Others
The Development of Measures of Vocational Interests and Relevant Aptitudes for the Deaf. Final Draft.

Lexington School for the Deaf, New York, N.Y.

Social and Rehabilitation Service (DHEW), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
RD-2453-S
PUB DATE - Aug69 97p.

DESCRIPTORS - *DEAF; *INTEREST TESTS; *APTITUDE TESTS; *TEST CONSTRUCTION; *PERSONALITY STUDIES; VOCATIONAL INTERESTS; VOCATIONAL APTITUDE; PICTORIAL STIMULI; VOCATIONAL ADJUSTMENT; PERFORMANCE TESTS
IDENTIFIERS - *MOLECULAR PREFERENCE THEORY

ABSTRACT - This report describes the development of a battery of vocationally relevant measures of interests and aptitudes for use with deaf clients. A sample of 195 deaf students from two schools was rated by peers and teachers, and completed a battery of performance tests. The rating procedure indicated that certain personality traits can be adequately measured by both students and teachers. However, the performance tests showed that short written tests are inadequate to assess vocationally relevant personality traits. Assessment of vocational interest by means of a pictorial interest inventory proves the notion of interest "fields" to be inadequate, and provides tentative support for an alternate theory, the Molecular Preference Theory, which implies that people respond to elements of a job rather than the total job. (BH)

VT 012 210 ED 048 451
Fricke, James E.
Manpower Needs and Manpower Utilization in Speech Pathology and Audiology. Final Report.

American Speech and Hearing Association, Washington, D.C.
Social and Rehabilitation Service (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$13.16
PUB DATE - Nov69 338p.

DESCRIPTORS - *MANPOWER NEEDS; *MANPOWER UTILIZATION; *SPEECH PATHOLOGY; *AUDIOLOGISTS; *SPEECH THERAPISTS; SUBPROFESSIONALS; PROGRAM EVALUATION

ABSTRACT - This study was undertaken to determine manpower needs in speech pathology and audiology by evaluating the effectiveness of present patterns of manpower utilization in reaching the target population. The investigation used four sources of data: (1) site visits to 20 service programs across the nation, (2) questionnaire surveys distributed to all service programs in the field and to all schools with two or more clinicians, (3) a random survey of association members, and (4) quantification of students training in the field based on enrollment figures supplied by the available training programs and schools. The study found serious manpower shortages for both speech clinicians and audiologists, despite a 300 percent rise over the past decade in the number of students receiving degrees in these fields. The results support the need for an educational effort to change negative administrator attitudes regarding the use of supportive personnel to fill manpower shortages. This conclusion was reaffirmed by participants in a 3-day conference held to examine the findings and make recommendations regarding the optimal utilization of professional and supportive personnel. (BH)

VT 012 213 ED 048 452
Mondart, C.L., Sr., and Others
Educational and Occupational Aspirations and Expectations of High School Youth.

Louisiana State Univ., Baton Rouge. Dept. of Vocational Agricultural Education.
EDRS PRICE MF-$0.65 HC-$6.58
Vo-Ag-Ed-Ser-29
PUB DATE - 70 133p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *SCHOOL SURVEYS; *PROGRAM EVALUATION; CAREER CHOICE; CAREER PLANNING; *FAMILY BACKGROUND; *OCCUPATIONAL ASPIRATION; PARENT INFLUENCE; VOCATIONAL COUNSELING; HIGH SCHOOL STUDENTS; OCCUPATIONAL INFORMATION; EDUCATIONAL NEEDS

ABSTRACT - To identify the occupational and educational aspirations and expectations of Louisiana high school students and relate these aspirations and expectations to their background of experiences, 13,607 students (7,021 girls and 6,586 boys) were interviewed in a group situation. The findings suggest that high school students develop strong occupational interests early, with at least tentative choices made before they reach the 11th grade. However, occupational information provided in school has little influence on occupational choices, although there is evidence to show that such material is available. Student educational aspirations and expectations, like those considered vocational, are influenced most by the home and friends, but many develop unrealistic aspirations for prestigious careers when work more appropriate to their abilities should be considered. It was recommended that schools provide early organized and realistic information about career opportunities and that the curricular design should be made more flexible by providing more training options. The interview schedule, student occupational choices, statistical tables, and participating schools are appended. (SB)

VT 012 217
Robon, Nancy C.
The Effectiveness of Teaching Beginning Typewriting with Television Monitors, Selectric Typewriters, and an Open-Access Laboratory.

MF AVAILABLE IN VT-ERIC SET.
PUB DATE - May70 79p.

DESCRIPTORS - *BUSINESS EDUCATION; *TYPEWRITING; *TEACHING METHODS; COMPARATIVE ANALYSIS; *MASTERS THESES; *LEARNING LABORATORIES; ACADEMIC ACHIEVEMENT; EDUCATIONAL TELEVISION; SCHEDULING

ABSTRACT - The purpose of this study was to determine if there is a significant difference in typing achievement between students who learned to type in a traditional

typing class and those who learned using television monitors, selectric typewriters, an open-access labroatory, and a shorter time of actual instruction. A comparative and statistical analysis of student achievement under these two sets of conditions revealed that comparable typing speed can be developed under both. However, since there is no significant difference in typing achievement under these two sets of conditions, there is no reason for college classes and possibly senior high school classes in beginning typewriting to meet every day. This M.A. thesis was submitted to the University of Toledo. (Not recommended for hard copy reproduction due to marginal legibility of original.) (Author/JS)

VT 012 224
Report of the Minnesota State Advisory Council for Vocational Education--1970.

Minnesota State Advisory Council for Vocational Education, St. Paul.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 20p.

DESCRIPTORS - *ADVISORY COMMITTEES; *PROGRAM EVALUATION; PROGRAM IMPROVEMENT; GENERAL EDUCATION; *VOCATIONAL EDUCATION; INDIVIDUAL NEEDS; *SKILL DEVELOPMENT; *EDUCATIONAL NEEDS; EDUCATIONAL POLICY

ABSTRACT - The findings and recommendations of the evaluation of vocational education programs by the Minnesota State Advisory Council are contained in this report. All education must meet the needs, interests, and abilities of the individual, and occupational education must be built upon a firm foundation of basic education, starting with reading, writing, and arithmetic. Skill development for occupational competency is not "extra educational" and must be in concert with all other education programs normal to the process and progress for the individual. It is evident that Minnesota's total education system is falling short, if not failing, in serving individuals as evidenced by failure to give such basic skills as reading to high school graduates and by the large number of high school dropouts. There is a need to redirect Minnesota's educational policy and to consolidate the policy into a single basic policy which provides direction from, and accountability to, the people. Several illustrations augment the text of the report. (SB)

VT 012 226
Towne, Douglas C., Comp.;
Rees, S. Laurie, Comp.
The Disadvantaged and Jobs.

Tennessee Univ., Knoxville.
Office of Education (DHEW), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Jul69 20p.

DESCRIPTORS - *CULTURALLY DISADVANTAGED; *MANPOWER DEVELOPMENT; MANPOWER UTILIZATION; *GOVERNMENT ROLE; FEDERAL LAWS; *COOPERATIVE PROGRAMS; TECHNOLOGICAL ADVANCEMENT

ABSTRACT - There is a great need for public and private support for efforts to remove people from poverty in a society characterized by changing educational needs brought on by technological change. It is the responsibility of those who are helped by the changing economic structure to assist those who are hurt by the change; self-help is no longer a sufficient answer to poverty. The problems, the background, and some of the possible solutions to helping the disadvantaged are discussed in this brochure. (BH)

VT 012 235 ED 048 453
Toward a Career Ladder in Nursing: Upgrading Nurse's Aides to LPNs Through a Work-Study Program. Final Progress Report, April, 1967-May, 1970.

Medical and Health Research Association of New York City, Inc., N.Y.
Manpower Administration (DOL), Washington, D.C.
Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 70 55p.

DESCRIPTORS - *PRACTICAL NURSES; *NURSES AIDES; IMPROVEMENT PROGRAMS; *OCCUPATIONAL MOBILITY; MANPOWER DEVELOPMENT; PROMOTION (OCCUPATIONAL); *WORK STUDY PROGRAMS; DEMONSTRATION PROJECTS; *CAREER LADDERS

ABSTRACT - To arrange a program that would enable nurse's aides to undertake licensed practical nurse (LPN) training without financial sacrifice, a 3-year experimental and demonstration project, funded by the Manpower Administration, was conducted in New York City between October 1967 and September 1969. Through a work-study arrangement, 422 nurse's aides in the municipal hospital system completed a 14-month LPN training course, dividing their time between shifts at their hospitals (20 hours a week) and classroom or clinical training at central locations throughout the city (25 hours a week). The project was considered a success when 385 graduates (91 percent) were licensed as LPNs after passing the New York State licensing examination and returning to their hospitals where they assumed the duties of LPNs. Some recommendations were: (1) All nurse's aides should be processed as potential candidates for upgrading, (2) A remedial academic skill center should be established to encourage hospital staff to improve their basic skills, and (3) Counseling and other supportive services should be continued at the training site. The report also describes the organization and costs of the project, the training program, and ways to improve future programs. (SB)

VT 012 249 ED 048 454
Corwin, R. David
New Workers in the Banking Industry: A Minority Report.

New York Univ., N.Y.

Manpower Administration (DOL), Washington, D.C. Office of Manpower Research
EDRS PRICE MF-$0.65 HC-$6.58
81-34-69-02
PUB DATE - Jun70 138p.

DESCRIPTORS - *MINORITY GROUPS; *EMPLOYMENT OPPORTUNITIES; *BANKING; *CAREER OPPORTUNITIES; *WHITE COLLAR OCCUPATIONS; OCCUPATIONAL MOBILITY; ENTRY WORKERS; NEGRO EMPLOYMENT; PROMOTION (OCCUPATIONAL); SPANISH AMERICANS; MANPOWER UTILIZATION
IDENTIFIERS - NEW YORK CITY

ABSTRACT - To investigate the effects of the employment policies and practices of New York City banks upon minority employment, six banks were selected on the basis of their higher than average minority group employment. Nearly 200 interviews were conducted with bank personnel, including policy formulators, policy executors, and lower level personnel. These nonstructured interviews, each of which was shaped according to the person interviewed, were supplemented by data collected independently by a few of the banks. The results show that many minority workers have been employed recently, but with quite limited upgrading and career mobility. Equal promotion opportunities will require the complete dedication of management, with promotion from within, accompanied by the necessary training to provide career opportunities for entry minority workers. Recommendations include: (1) establishing an internship program providing college tuition plus a salary for part time employment and full time summer employment, and (2) providing a variety of services such as day care, legal, and medical services for employees. (BH)

VT 012 259
Outlook for Computer Process Control: Manpower Implications in Process Industries.

Bureau of Labor Statistics (DOL), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
Bull 1658
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (L2.3:1658, $.70).
PUB DATE - 70 78p.

DESCRIPTORS - *ELECTRONIC CONTROL; *MASS PRODUCTION; AUTOMATION; INDUSTRIAL TECHNOLOGY; MEASUREMENT INSTRUMENTS; *MANPOWER NEEDS; *BLUE COLLAR OCCUPATIONS; EDUCATIONAL NEEDS; EMPLOYMENT TRENDS; *MANUFACTURING INDUSTRY; EMPLOYMENT PROBLEMS

ABSTRACT - To assess the manpower impact of computerized monitoring of production, this report analyzes computer operations in the following process industries: electric power, industrial chemicals, steel, petroleum refining, paper, and cement. The data come from field visits at 12 plants and informal interviews with government and union officials and experts from computer companies, and trade and technical journals provide secondary source materials. Although high initial costs previously have limited application of the equipment, the report predicts that the favorable cost/benefit ratio will result in significant growth by 1975. The report notes that employment and industrial relations problems have not materialized because the major effects have been in the required skill mix, with employee upgrading preventing mass layoffs. (BH)

VT 012 262
Drennan, Jerry
The Effect of Industrial Education on Educable Mental Retardates Entering the Labor Force. Final Report.

Education Service Center Region 14, Abilene, Tex.
Abilene Christian Coll., Tex.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Nov69 73p.

DESCRIPTORS - *WORK STUDY PROGRAMS; *EDUCABLE MENTALLY HANDICAPPED; *INDUSTRIAL EDUCATION; *VOCATIONAL ADJUSTMENT; EMPLOYER ATTITUDES; *PERSONNEL EVALUATION; ANALYSIS OF VARIANCE

ABSTRACT - This study used employer evaluations to measure the labor market success of educable mental retardates who had received industrial education. An Employee Evaluation checklist was developed by a jury of 12 experts in industrial and special education, including teachers, counselors, and employers. This instrument was distributed to employers of 303 mentally handicapped students from 18 school districts. Using analysis of variance techniques, the study revealed that these students were rated by their employers as cautious and as having better than average relationships with their co-workers. (Not recommended for hard copy reproduction due to marginal legibility of original document.) (BH)

VT 012 270
Preparing the Handicapped for the World of Work.

East Carolina Univ., Greenville, N.C.
North Carolina State Dept. of Public Instruction, Raleigh.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 62p.Report of an Inst. for Occupational Education Teachers and Related Educational Personnel (Aug 3-21, 1970).

DESCRIPTORS - *INSTITUTES (TRAINING PROGRAMS); *VOCATIONAL EDUCATION; *TEACHER EDUCATION; *HANDICAPPED STUDENTS; EDUCATIONAL OPPORTUNITIES; INSTRUCTIONAL MATERIALS; MATERIAL DEVELOPMENT; CONFERENCE REPORTS; PROGRAM EVALUATION

ABSTRACT - The objective of this 3-week institute was the improvement of professional competencies of 60 participants, occupational educators and related educational personnel selected from schools with specially funded occupational education projects for handicapped students. Daily sessions consisted of program presentations, group

discussions, and group or individual development of instructional materials, with four field trips to on-going programs. Evaluation during the institute was accomplished by informal evaluation of the program and facilities by the director and also through periodic mini-reports of small group activities. Analysis of a rating scale and a free response questionnaire completed on the final day of the institute revealed that the program content and presentations were considered effective and stimulating by the participants. The institute program, list of participants, and sample evaluation form are appended. (SB)

VT 012 272
State of Washington Comprehensive Manpower Plan for Fiscal Year 1971.

Washington State Manpower Coordinating Committee, Olympia.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 1Mar70 365p.

DESCRIPTORS - *MANPOWER DEVELOPMENT; *STATE PROGRAMS; *PROGRAM PLANNING; LABOR SUPPLY; MANPOWER NEEDS
IDENTIFIERS - WASHINGTON

ABSTRACT - The Washington 1971 manpower plan is presented in two parts. Each part has four sections: the Tacoma Area Plan, the Seattle-Everett Area Plan, the Balance of State Area Plan, and a State Summary. Part A describes each area, identifies its manpower problems and target populations, and summarizes current manpower activity in the area. Part B lists manpower resources available for the planning year, identifies the target populations to be served, and details how these resources will be used to meet the objectives. In addition, Part B establishes priorities, discusses unmet needs and describes how various agencies and the general community will be involved in the preparation and implementation of the plan. (BH)

VT 012 273
Public Employment and the Disadvantaged: An Annotated Bibliography. Reference File, File No. 4.

National Civil Service League, Washington, D.C.
Office of Economic Opportunity, Washington, D.C. Office of Program Development
MF AVAILABLE IN VT-ERIC SET.
Ref-File-4
National Civil Service League on Public Employment and the Disadvantaged, 1028 Connecticut Ave., N.W., Washington, D.C. 20036.
PUB DATE - Jan70 54p.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *MANPOWER UTILIZATION; *DISADVANTAGED GROUPS; *GOVERNMENT EMPLOYEES; *EMPLOYMENT OPPORTUNITIES; MANPOWER DEVELOPMENT; JOB DEVELOPMENT

ABSTRACT - This bibliography includes material which considers the potential for the disadvantaged in government employment. Designed to be most valuable to those responsible for hiring the disadvantaged within an established civil service system, the bibliography deals only with material which is generally available to the average researcher. (BH)

VT 012 275 ED 048 455
Simon, Harold J., Ed.
Articulations Between Medical and Premedical Education. Proceedings of a Conference (Asilomar, California, June 6 and 7, 1969).

Stanford Univ., Calif.
National Institutes of Health (DHEW), Bethesda, Md. Div. of Physician Manpower
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Jun69 160p.

DESCRIPTORS - MEDICAL EDUCATION, CONFERENCE REPORTS; *PROGRAM COORDINATION; EDUCATIONAL OPPORTUNITIES; *INTERSCHOOL COMMUNICATION; MINORITY GROUPS; DISADVANTAGED YOUTH; CURRICULUM DEVELOPMENT; PHYSICIANS; CURRICULUM PLANNING; *MANPOWER DEVELOPMENT; *ARTICULATION (PROGRAM)

ABSTRACT - This conference, sponsored in part by The Division of Physician Manpower, dealt with the problem of communication between premedical and medical education administrators. Four panels, 13 invited speakers, and free discussion among almost 90 participants provided new insight into problems of poor representation by racial minorities, outdated admissions policies, and a need for more information by premedical advisors. In addition, conferees discussed special programs involving advanced placement and flexible curriculums. (BH)

VT 012 291
Wells, Fred G.
The American Telephone and Telegraph.

Organisation for Economic Cooperation and Development, Paris (France).
MF AVAILABLE IN VT-ERIC SET.
Organisation for Economic Cooperation and Development, 2 Rue Andre-Pascal, Paris SVI, France.
PUB DATE - Jun70 12p.Presented at International Conference on Continuing Training and Education During Working Life (Copenhagen, July 7-10, 1970).

DESCRIPTORS - *INPLANT PROGRAMS; *ON THE JOB TRAINING; *ENTRY WORKERS; *PROMOTION (OCCUPATIONAL); *ADULT VOCATIONAL EDUCATION; CAREER OPPORTUNITIES
IDENTIFIERS - AMERICAN TELEPHONE AND TELEGRAPH COMPANY; AT AND T

ABSTRACT - This report describes the training activities of American Telephone and Telegraph Company (AT and T) and related Bell System operating subsidiaries covering roughly 300,000 employees engaged in the physical plant operations. Due to the traditional policy of AT and T, all employees are hired as youths and expected to continue

for life with the company. The problem of upgrading employees from their entry jobs to more complex ones (during constant technological change) therefore falls upon the company. AT and T's classroom training program, its laboratory training, and the development of instructors are described. (Author/BH)

VT 012 299 ED 048 456
Mooney, Joseph D.; Cain, Glen G.
Urban Poverty and Labor Force Participation (and Comment).

Wisconsin Univ., Madison. Inst. for Research on Poverty.
Office of Economic Opportunity, Washington, D.C. Office of Program Development
DOCUMENT NOT AVAILABLE FROM EDRS.
Reprint 43
Institute for Research on Poverty, The University of Wisconsin, Madison, Wisconsin.
The American Economic Review; v57 n1 p104-119 Mar 1967 and v59 n1 p185-198 Mar 1969.
PUB DATE - Mar69 36p.

DESCRIPTORS - *LABOR ECONOMICS; *LABOR FORCE NONPARTICIPANTS; *EMPLOYMENT LEVEL; *ECONOMICALLY DISADVANTAGED; *URBAN SLUMS; WORKING WOMEN; NEGRO EMPLOYMENT; EMPLOYMENT OPPORTUNITIES; FAMILY INCOME

ABSTRACT - This report investigates the relationship between the national unemployment rate and labor force participation among the urban poor. In addition to comparing participation by the urban poor to that of the general population, the report pays special attention to married women and blacks. Based on a cross-sectional analysis of the 52 largest Standard Metropolitan Statistical Areas, the report concludes that the average black family attempts to escape poverty during high employment by becoming a multiple earner family. A comment on the report by Glen Cain and the author's response are included. (BH)

VT 012 300
Doeringer, Peter B.; Piore, Michael J.
Internal Labor Markets and Manpower Analysis.

Harvard Univ., Cambridge, Mass.
Massachusetts Inst. of Tech., Cambridge.
Manpower Administration (DOL), Washington, D.C. Office of Manpower Research
EDRS PRICE MF-$0.65 HC-$13.16
PUB DATE - May70 343p.

DESCRIPTORS - *ECONOMIC RESEARCH; *LABOR MARKET; *BUSINESS; *LABOR ECONOMICS; *UNEMPLOYMENT; EMPLOYMENT OPPORTUNITIES; DISADVANTAGED GROUPS; MODELS

ABSTRACT - Using data gathered in a series of interviews with management and union officials in over 75 companies between 1964 and 1969, this report analyzes the concept of the internal labor market and describes its relevance for federal manpower policy. The management interviews, which were mostly in personnel, industrial engineering, and operations areas of manufacturing companies, were supplemented by data on the disadvantaged provided by civil rights, poverty, and manpower agencies. The report utilizes the framework established in the study to show that the internal market does not imply inefficiency and may represent an improvement in dealing with structural unemployment. (BH)

VT 012 304 ED 048 458
The Manhattan Court Employment Project. Summary Report on Phase One: November 1, 1967, to October 3, 1969.

Vera Inst. of Justice, New York, N.Y.
Manpower Administration (DOL), Washington, D.C. Office of Special Manpower Programs
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - 70 102p.

DESCRIPTORS - *PROBATIONARY PERIOD; *CORRECTIONAL REHABILITATION; *CRIMINALS; *MANPOWER DEVELOPMENT; COUNSELING; JOB PLACEMENT; *REHABILITATION PROGRAMS

ABSTRACT - This report on the first 2 years of a projected 3-year project describes an attempt to use counseling and job placement to divert some arrestees from possible jail sentences. Arrestees who meet the criteria for acceptance into the program are granted a 90-day continuance, during which time the staff representative, who is an ex-offender himself, attempts to help the participant find a job or enter a training program. If successful, the representative asks the judge to dismiss charges, preventing the participant from having a criminal record. Out of the first 850 participants, 39 percent had their charges dismissed and only 13 percent were arrested while active in the project. The legal system proved to be quite optimistic about the project, even though more than 3 months was needed in some cases. (BH)

VT 012 311
Walther, Charles C.
A Comparison of the Self Concept of Vocational and Technical Students.

Missouri Univ., Columbia.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 24p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *COMPARATIVE ANALYSIS; *ACHIEVEMENT; *CAREER CHOICE; SOCIAL ADJUSTMENT; TECHNICAL EDUCATION; FAMILY BACKGROUND; *SELF CONCEPT

ABSTRACT - Many students select programs that are not in keeping with their demonstrated abilities. Believing that the student's self concept influences such decisions, this study compared the self concepts of students selecting 1-year programs to students selecting 2-year vocational programs. A comparative analysis of student achievement in these two groups, however, revealed little concrete data concerning such a relationship. Further research is recommended for this area. (Not recommended for hard copy reproduction due to marginal legibility of

original document). (JS)

VT 012 319
The Tennessee State Advisory Council on Vocational Education; For Continued and Further Improvement of Education in Tennessee.

Tennessee Vocational Curriculum Lab., Murfreesboro.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 31p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *ADVISORY COMMITTEES; STATE PROGRAMS; *PERSONNEL SELECTION; PROGRAM IMPROVEMENT; PROGRAM EVALUATION
IDENTIFIERS - TENNESSEE

ABSTRACT - The State of Tennessee established the State Advisory Council on Vocational Education to advise the State Board on the administration and evaluation of new programs and to make an annual evaluation of vocational education. The 17 members of the advisory committee represent the various areas affecting this aspect of the education process. This booklet presents information concerning the role of the Council and a profile of each of its members. (JS)

VT 012 324
Annual Evaluation Report--FY 1970.

North Carolina State Advisory Council on Vocational Education, Raleigh.
MF AVILABLE IN VT-ERIC SET.
PUB DATE - Aug70 17p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *STATE PROGRAMS; *PROGRAM EVALUATION; PROGRAM PLANNING; ADVISORY COMMITTEES; ANNUAL REPORTS
IDENTIFIERS - NORTH CAROLINA

ABSTRACT - This annual report by the Advisory Council with the help of The Center for Occupational Education at North Carolina University, evaluates North Carolina's program for vocational education in fiscal year 1970. The report lists 16 recommendations in six areas: (1) priorities, (2) interagency coordination and data collection in human resources development, (3) effects of the Vocational Education Amendments of 1968 upon State efforts, (4) effectiveness in serving the people and their needs, (5) consideration of employment opportunities when providing vocational programs, and (6) other factors affecting vocational education opportunities. (BH)

VT 012 334
First Annual Report of the Arizona State Advisory Council for Vocational Education.

Arizona State Advisory Council for Vocational Education, Phoenix. Office of Manpower Planning.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 10ct70 79p.

DESCRIPTORS - *PROGRAM EVALUATION; *VOCATIONAL EDUCATION; *EDUCATIONAL ADMINISTRATION; *ADVISORY COMMITTEES; *ANNUAL REPORTS; EDUCATIONAL NEEDS; STUDENT NEEDS; RESEARCH NEEDS; MANPOWER NEEDS; ADULT EDUCATION; PROGRAM COSTS; COOPERATIVE EDUCATION; EVALUATION CRITERIA; POPULATION TRENDS

ABSTRACT - In accordance with the Vocational Education Amendments of 1968, the Arizona State Advisory Council prepared this first annual report concerning vocational education in the state. Based on an analysis and evaluation of vocational programs, the Council suggests that state agencies can bring about major innovations in the management of the schools to make the educational experience more relevant. The Council goes on to make 18 recommendations directed primarily to the administrative functions of existing state agencies. Data supporting the recommendations are included in the report. (JS)

VT 012 337
Everard, Kenneth E.
Testing and Grading Practices and Opinions of Secondary Teachers in Business and Distributive Education.

Trenton State Coll., N.J. Dept. of Business.
MF AVAILABLE IN VT-ERIC SET.
Department of Business, Trenton State College, Trenton, New Jersey 08625 (no charge).
PUB DATE - 70 36p.

DESCRIPTORS - *BUSINESS EDUCATION; DISTRIBUTIVE EDUCATION; *TESTING; *STUDENT EVALUATION; OPINIONS; EDUCATIONAL NEEDS; RESEARCH NEEDS; *EDUCATIONAL PRACTICE; SECONDARY EDUCATION; SECONDARY SCHOOL TEACHERS; STATE SURVEYS; *GRADING

ABSTRACT - This survey of New Jersey business and distributive teachers was made to ascertain the nature of current practices regarding testing and grading. From the 206 usable instruments received (34 percent return) educators revealed that testing and grading still remains a major problem area for teachers. The survey strongly indicates a need for a testing and grading rationale as a means of helping teachers with these related problems. Included in the recommendations is the need for meaningful dialogues on the part of business and distributive educators regarding testing and grading. (JS)

VT 012 346
Arnold, Barbara L.
The Development of a Procedure for Continuous Evaluation of the Green River High School Business Education Program.

Green River High School, Wyo.
Wyoming Research Coordinating Unit in Vocational-Technical Education, Cheyenne.
Office of Education (DHEW), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
OEG-4-6062729-2083 08
BR-6-2729
PUB DATE - Aug70 50p.

DESCRIPTORS - *BUSINESS EDUCATION; *PROGRAM EVALUATION; *SECONDARY EDUCATION; *PROGRAM IMPROVEMENT; *CURRICULUM DEVELOPMENT; ADVISORY COMMITTEES; STUDENT NEEDS; FOLLOWUP STUDIES; STANDARDS; MANPOWER NEEDS

ABSTRACT - The purpose of this study was to develop and initiate an evaluation procedure by which the Green River, Wyoming, High School business education program can be continuously and objectively appraised and subsequently improved. The study included (1) a followup of business graduates, (2) a survey of the business community, (3) the establishment of an advisory board, (4) the application of a criterion instrument to indicate whether standards are being met, and (5) the establishment of a curriculum committee. Following the completion of the above steps, a total of 23 conclusions and recommendations were stated regarding the business education program. Among these were that (1) a cooperative work experience program be started, (2) general business be moved to the ninth grade, (3) shorthand I classes have accessibility to typewriters, and (4) more emphasis be placed on teaching positive work attitudes rather than just on teaching skills. (Author/JS)

VT 012 350
Ryan, LaVerne C.
A Comparative Study of State Vocational Cooperative and Simulated Business and Office Programs.

Murray State Univ., Ky. Institutional Studies and Research Committee.
Kentucky State Dept. of Education, Frankfort. Div. of Vocational Education
MF AVAILABLE IN VT-ERIC SET.
Department of Business Education, School of Business, Murray State University, Murray, Kentucky 42071 (no charge).
PUB DATE - 22Sep69 23p.

DESCRIPTORS - *BUSINESS EDUCATION; *VOCATIONAL EDUCATION; COMPARATIVE ANALYSIS; *PROGRAM EVALUATION; *COOPERATIVE EDUCATION; PROGRAM IMPROVEMENT; *OFFICE OCCUPATIONS EDUCATION; TEACHER EDUCATION; SIMULATION

ABSTRACT - In an effort to evaluate vocational business education in Kentucky, programs in several other states were examined. Special attention was given to the cooperative office practice programs, the simulated office practice programs, and teacher education requirements. Following the collection and analysis of data it was concluded that the cooperative office training method is the most meaningful to the high school student with the simulated office approach serving as a good substitute where a work experience program is not feasible. It was also noted that there is a need for cooperative training for prospective business education teachers. (JS)

VT 012 352 ED 045 868
WOOD, W. D.; CAMPBELL, H. F.
COST-BENEFIT ANALYSIS AND THE ECONOMICS OF

INVESTMENT IN HUMAN RESOURCES. AN ANNOTATED BIBLIOGRAPHY.

QUEEN'S UNIV., KINGSTON (ONTARIO). INDUSTRIAL RELATIONS CENTRE.
EDRS PRICE MF-$1.00 HC NOT AVAILABLE FROM EDRS.
BIBLIOG-SER-NO-5
INDUSTRIAL RELATIONS CENTRE, QUEEN'S UNIVERSITY, KINGSTON, ONTARIO, CANADA ($10.00)
PUB DATE - 70 217P.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *COST EFFECTIVENESS; *ECONOMIC RESEARCH; *HUMAN RESOURCES; INVESTMENT; LITERATURE REVIEWS; RESOURCE MATERIALS; THEORIES; VOCATIONAL EDUCATION

ABSTRACT - THIS ANNOTATED BIBLIOGRAPHY PRESENTS 389 CITATIONS OF PERIODICAL ARTICLES, MONOGRAPHS, AND BOOKS AND REPRESENTS A SURVEY OF THE LITERATURE AS RELATED TO THE THEORY AND APPLICATION OF COST-BENEFIT ANALYSIS. LISTINGS ARE ARRANGED ALPHABETICALLY IN THESE EIGHT SECTIONS: (1) HUMAN CAPITAL, (2) THEORY AND APPLICATION OF COST-BENEFIT ANALYSIS, (3) THEORETICAL PROBLEMS IN MEASURING BENEFITS AND COSTS, (4) INVESTMENT CRITERIA AND THE SOCIAL DISCOUNT RATE, (5) SCHOOLING, (6) TRAINING, RETRAINING AND MOBILITY, (7) HEALTH, AND (8) POVERTY AND SOCIAL WELFARE. INDIVIDUAL ENTRIES INCLUDE AUTHOR, TITLE, SOURCE INFORMATION, "HEADINGS" OF THE VARIOUS SECTIONS OF THE DOCUMENT WHICH PROVIDE A BRIEF INDICATION OF CONTENT, AND AN ANNOTATION. THIS BIBLIOGRAPHY HAS BEEN DESIGNED TO SERVE AS AN ANALYTICAL REFERENCE FOR BOTH THE ACADEMIC SCHOLAR AND THE POLICY-MAKER IN THIS AREA. (AUTHOR/JS)

VT 012 360 ED 050 248
Clark, Bernard J.
Police-Community Relations. Criminal Justice Monograph, Volume I, Number 5.

Sam Houston State Univ., Huntsville, Tex. Inst. of Contemporary Corrections and The Behavioral Sciences.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 69 66p.

DESCRIPTORS - *POLICE COMMUNITY RELATIONSHIP; *POLICE SEMINARS; POLICE SCHOOL RELATIONSHIP; *INTERAGENCY COOPERATION; *COMMUNITY PROGRAMS; PROGRAM DEVELOPMENT; CITIZEN PARTICIPATION; IMPROVEMENT PROGRAMS; *MANPOWER UTILIZATION

ABSTRACT - Recent social unrest has widened the communications gap between police and community. Police-community relations programs are designed to establish a better relationship and understanding between police officers and the citizens. This requires coordination with schools and other community agencies in providing information on the goals and operation of the police department. First, however, police officers themselves must be convinced that such a program is part of their function and that any changes in the status quo will be positive. Also, the program must not compromise the autonomy of the police in enforcing the law, especially

when special interest groups try to achieve preferential treatment. By overcoming these obstacles, a police-community relations program can result in a smoother relationship with the community, reduced crime rates, and a more professional police department with a better image in the community. (BH)

VT 012 363
Apprenticeship Coordinators.

Manpower Administration (DOL), Washington, D.C. Bureau of Apprenticeship and Training.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 28p.

DESCRIPTORS - *APPRENTICESHIPS; *FEDERAL PROGRAMS; *PROGRAM IMPROVEMENT; *COORDINATORS; PROGRAM ADMINISTRATION; ADMINISTRATOR RESPONSIBILITY; COST EFFECTIVENESS
IDENTIFIERS - JOINT APPRENTICESHIP AND TRAINING COMMITTEE

ABSTRACT - Using training trust funds established by the industries and unions participating in a new apprenticeship program, apprenticeship coordinators are hired to aid the newly-formed Joint Apprenticeship and Training Committee in conducting apprenticeship and other training programs. This pamphlet, which is intended for program administrators, describes the advantages and obligations involved in employing a coordinator. By screening applicants, maintaining records, and consulting with employers, the coordinator can contribute greatly to program efficiency and effectiveness. (BH)

VT 012 366 ED 049 357
Yabroff, Bernard; Matland, Marc A.
New Careers for the Subprofessional.

National Committee on Employment of Youth, Washington, D.C.
National Center for Educational Research and Development (DHEW/OE), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
OE-11028
PUB DATE - 70 26p.

DESCRIPTORS - *MANPOWER UTILIZATION; *EDUCATIONALLY DISADVANTAGED; *CAREER OPPORTUNITIES; EMPLOYMENT OPPORTUNITIES; OCCUPATIONAL MOBILITY; JOB DEVELOPMENT; *SUBPROFESSIONALS; *HUMAN SERVICES; MANPOWER DEVELOPMENT
IDENTIFIERS - NEW CAREERS

ABSTRACT - The result of a conference on the employment of subprofessiwnals in human services occupations, this booklet considers the dual role of the schools in both preparing and employing subprofessionals to fill skilled manpower shortages. Noting that New Careers programs fail when administrators and professionals do not accept the subprofessional in a permanent job with career opportunities, the booklet describes the steps necessary to institute a successful program, namely: (1) job design and career development, (2) career ladders in health and education, (3) recruitment, selection, and training, (4) released-time training, and (5) budgeting and planning. This report is based on a full conference report which is available as ED 029 169 (RIE October 1969). (BH)

VT 012 369
Training and Technology; The Effects of a Manpower Training Program on the Personal Lives of Its Graduates.

Atomic Energy Commission, Oak Ridge, Tenn.
Department of Labor, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Nov70 41p.

DESCRIPTORS - *ADULT VOCATIONAL EDUCATION; *FEDERAL PROGRAMS; *CHANGING ATTITUDES; *COMMUNITY INVOLVEMENT; COMMUNITY BENEFITS; STUDENT ALIENATION; *TRAINEES; WORK ATTITUDES; SOCIAL ADJUSTMENT; GRADUATES
IDENTIFIERS - *TRAINING AND TECHNOLOGY; TAT

ABSTRACT - Efforts to evaluate the effectiveness of training programs have ignored the effects of training on the graduates' personal lives. This study seeks to fill that gap by examining the impact of the Training and Technology (TAT) program upon trainees. In particular, the study analyzes alienation, community participation, and attitudes toward work and society. Structured interviews and questionnaires provided data on 74 TAT graduates representing 21 percent of the total graduates of the first 2 years of the program. A control group consisted of 74 qualified applicants who were rejected because of lack of training openings. The results indicate that the program graduates participate to a greater extent in community and work organizations, feel less alienated, read more, and hold more skilled jobs at higher income levels. (BH)

VT 012 376
A Study of Vocational Education in the Muscle Shoals Region.

Muscle Shoals Council of Local Governments, Ala.
Appalachian Regional Commission.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Jun70 169p.

DESCRIPTORS - *DEMOGRAPHY; EMPLOYMENT TRENDS; EMPLOYMENT PROJECTIONS; *ECONOMIC CLIMATE; *REGIONAL PLANNING; *VOCATIONAL EDUCATION; *PROGRAM EVALUATION; PROGRAM IMPROVEMENT; ECONOMIC DEVELOPMENT

ABSTRACT - In response to a high dropout rate and a shortage of skilled manpower in the area, an evaluative study was made of vocational education in the Muscle Shoals region. This report describes the strengths and weaknesses of vocational education in the region within the framework of the regional economy and demography. Finding no inherent weaknesses in the existing system, the report makes recommendations for improvements in facilities, curriculum, policies, and public

relations. Included in the report is a schedule for implementation of priorities in immediate, short-run, and long-run phases. (BH)

VT 012 385 ED 047 110
JUERGENSON, ELWOOD M., COMP.
SUMMARIES OF STUDIES IN AGRICULTURAL EDUCATION, PACIFIC REGION, 1969-70. AN ANNOTATED BIBLIOGRAPHY.

CALIFORNIA UNIV., DAVIS. DEPT. OF APPLIED BEHAVIORAL SCIENCES.
AMERICAN VOCATIONAL ASSOCIATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - DEC 70 44P.

DESCRIPTORS - *ABSTRACTS; *AGRICULTURAL EDUCATION; *ANNOTATED BIBLIOGRAPHIES; ANNUAL REPORTS; DOCTORAL THESES; *EDUCATIONAL RESEARCH; MASTERS THESES

ABSTRACT - THIS ANNOTATED BIBLIOGRAPHY OF RESEARCH IN AGRICULTURAL EDUCATION INCLUDES 33 STUDIES COMPLETED IN 1969-70 IN STATES OF THE AMERICAN VOCATIONAL ASSOCIATION PACIFIC REGION. A LIST OF 18 STUDIES IN PROGRESS IN 1969-70 IS ALSO INCLUDED. THE ABSTRACTS ARE ORGANIZED ACCORDING TO EACH STUDY'S PURPOSE, METHODS, AND FINDINGS. SOME STUDIES ARE AVAILABLE FOR LOAN AS INDICATED IN EACH ABSTRACT. A BRIEF OUTLINE FOR PREPARATION OF A THESIS OR DISSERTATION SUMMARY IS INCLUDED. (GB)

VT 012 386
Woodin, Ralph J.
Supply and Demand for Teachers of Vocational Agriculture in 1970.

Ohio State Univ., Columbus. Dept. of Agricultural Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Dec70 33p.

DESCRIPTORS - *OCCUPATIONAL SURVEYS; *VOCATIONAL AGRICULTURE TEACHERS; AGRICULTURAL EDUCATION; *AGRICULTURAL OCCUPATIONS; VOCATIONAL EDUCATION; QUESTIONNAIRES; AGRICULTURE; *EMPLOYMENT TRENDS; TABLES (DATA); *TEACHER SUPPLY AND DEMAND

ABSTRACT - This annual study was conducted to determine the national supply and demand for teachers of vocational agriculture for purposes of planning a nationwide recruitment program. A questionnaire was completed and returned by head state supervisors and teacher educators in all institutions preparing teachers of vocational agriculture. The number of vocational agriculture teaching positions in the United States in 1970, the percentage of graduates entering various occupations, enrollment in colleges of agriculture, types of teaching positions, placement of graduates, teaching positions by states and regions, employment by states and regions, and a 6-year comparison of selected information on supply and demand of teachers in vocational agriculture are all contained in the report. A 70 percent gain in teacher supply is shown for a 6-year period, with 1,700 persons qualified for teaching vocational agriculture in the United States in 1970. The study concludes that a goal of qualifying 1,800 persons each year is a realistic one. This study should be useful to agricultural supervisors and teachers for preparing recruitment programs. (GEB)

VT 012 387
Ohio Schools of Nursing Notebook for School Counselors. Fourth Edition.

Ohio Nurses Association, Columbus.
MF AVAILABLE IN VT-ERIC SET.
Ohio Nurses Association, 4000 East Main St., Columbus, Ohio 43213 ($1.25).
PUB DATE - Oct70 77p.

DESCRIPTORS - *VOCATIONAL COUNSELING; *SECONDARY SCHOOL COUNSELORS; *NURSING; *SCHOOLS; ASSOCIATE DEGREES; BACHELORS DEGREES; HOSPITAL SCHOOLS; STUDENT COSTS; FINANCIAL SUPPORT; ADMISSION CRITERIA; EMPLOYMENT OPPORTUNITIES; *DIRECTORIES
IDENTIFIERS - *OHIO

ABSTRACT - Developed to assist counselors in helping students select high school preparatory courses and to acquaint them with opportunities available in the field of nursing, this handbook lists 64 Ohio schools of nursing offering basic nursing education programs approved by the State Board of Nursing Education and Nurse Registration. Listed as either baccalaureate degree, associate degree, or hospital diploma programs, the following information is provided for each school: (1) descriptive information, such as number of students, length of program, and housing, (2) costs, including tuition and fees, room and board, and other, (3) profile data of Fall 1969 freshmen class, (4) admission requirements, (5) financial aid information, (6) admission procedures, and (7) additional remarks. Test results of the National League for Nursing Pre-Nursing Guidance Examination and the location of the schools of professional nursing are appended. (SB)

VT 012 388
First Annual Report of the Michigan Advisory Council for Vocational Education (April 1969 through June 1970).

Michigan State Advisory Council for Vocational Education, Lansing.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Oct70 47p.

DESCRIPTORS - *STATE PROGRAMS; *VOCATIONAL EDUCATION; *PROGRAM DESCRIPTORS; ANNUAL REPORTS; PROGRAM EVALUATION; ADVISORY COMMITTEES
IDENTIFIERS - MICHIGAN

ABSTRACT - This first annual report of Michigan's state advisory council describes the council's activities and discusses the numerous public and private vocational technical education activities in progress in Michigan. Emphasis is placed on accessibility

and numbers enrolled. Recommendations are included in the broad areas of program planning, support, and accessibility. (BH)

VT 012 389
Evaluation of the State Plan for the Administration of Vocational Education Under the Vocational Education Amendments of 1968.

Arkansas State Advisory Council for Vocational-Technical Education, Little Rock.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 2Sep70 24p.

DESCRIPTORS - *STATE PROGRAMS; *VOCATIONAL EDUCATION; TECHNICAL EDUCATION; *PROGRAM PLANNING; ADVISORY COMMITTEES; ANNUAL REPORTS; PROGRAM DEVELOPMENT; *PROGRAM EVALUATION
IDENTIFIERS - ARKANSAS

ABSTRACT - This report to the U.S. Office of Education evaluates Arkansas' State Plan for fiscal year 1971. The plan is analyzed in terms of goals, manpower development, effects of Federal laws, orientation toward the people and their needs, and the relationship between educational services and employment opportunities. The report recommends increased efforts to establish a comprehensive high school program throughout the State, with a shift in emphasis away from area vocational schools. (BH)

VT 012 393
First Report, Advisory Council to the Oklahoma State Board of Vocational and Technical Education.

Oklahoma State Advisory Council for Vocational and Technical Education, Oklahoma City.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 69 11p.

DESCRIPTORS - *STATE PROGRAMS; *VOCATIONAL EDUCATION; TECHNICAL EDUCATION; COUNSELING SERVICES; *PROGRAM EVALUATION; ADVISORY COMMITTEES; ANNUAL REPORTS
IDENTIFIERS - OKLAHOMA; VOCATIONAL EDUCATION AMENDMENTS OF 1968

ABSTRACT - This first annual report by the 21-member Advisory Council is the result of an evaluation of vocational-technical education in Oklahoma as required by law. The report discusses one particular aspect of the State's vocational program, counseling and guidance, which was found to be a major problem area. Other priority areas will be analyzed in future studies. (BH)

VT 012 394
"Hire" Education by Decision--Not Default. Second Report.

Oklahoma State Advisory Council for Vocational-Technical Education, Oklahoma City.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 10ct70 30p.

DESCRIPTORS - *STATE PROGRAMS; *VOCATIONAL EDUCATION; *PROGRAM EVALUATION; TECHNICAL EDUCATION; *PROGRAM DEVELOPMENT; PROGRAM EFFECTIVENESS
IDENTIFIERS - OKLAHOMA

ABSTRACT - This evaluation of the 1969-70 Oklahoma State Plan for Vocational and Technical Education was prepared for the U.S. Office of Education. Conclusions and recommendations are included in five areas: (1) state goals, (2) manpower development programs, (3) effects of Vocational Education Amendments of 1968, (4) people and their needs, and (5) employment opportunities and vocational services required. (BH)

VT 012 396
Financing Occupational Education in New York State. A Statement of Position.

New York State Advisory Council on Vocational Education, Albany.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 5p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *EDUCATIONAL FINANCE; *FINANCIAL NEEDS; FINANCIAL PROBLEMS; *STATE AID; *STATE LEGISLATION; COMMUNITY COLLEGES; ADULT EDUCATION; PRIVATE SCHOOLS
IDENTIFIERS - NEW YORK

ABSTRACT - This position statement of the New York State Advisory Council on Vocational Education concerns the financing of occupational education in the State. The 10 areas addressed include (1) vocational education funding change needed, (2) legislative changes for support of 2-year colleges, and (3) adult occupational education support. (JS)

VT 012 397
Report of the New York State Advisory Council on Vocational Education Teacher Certification Study Committee.

New York State Advisory Council on Vocational Education, Albany, Teacher Certification Study Committee.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Aug70 3p.

DESCRIPTORS - *TEACHER CERTIFICATION; *STATE PROGRAMS; *TEACHER EDUCATION CURRICULUM; *PROGRAM EVALUATION; TEACHER QUALIFICATIONS; PERFORMANCE TESTS; PERFORMANCE FACTORS
IDENTIFIERS - NEW YORK

ABSTRACT - Teacher certification in New York does not always provide the best teachers. This committee report makes recommendations to improve teacher training and evaluation. (BH)

VT 012 398
Evaluation Report of Vocational-Technical Education in Maryland..

Maryland State Advisory Council on Vocational and Technical Education, Baltimore.

MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Sep70 14p.

DESCRIPTORS - *STATE PROGRAMS; *VOCATIONAL EDUCATION; TECHNICAL EDUCATION; *PROGRAM EVALUATION; ADVISORY COMMITTEES; ANNUAL REPORTS
IDENTIFIERS - MARYLAND

ABSTRACT - This report is an evaluation of vocational-technical education in Maryland. Specific areas for evaluation include: (1) State goals, (2) manpower development programs, (3) effects of the 1968 Vocational Education Act amendments, (4) effectiveness in serving the people and their needs, and (5) employment opportunities and related training. The report recommends the use of educator workshops, longitudinal followup studies, and local advisory councils. (BH)

VT 012 407
Crocker, Robert K.
A System for Determining Knowledge Requirements in Electronic Technology.

Memorial Univ., St. John's (Newfoundland). Committee on Publications.
DOCUMENT NOT AVAILABLE FROM EDRS.
The Committee on Publications, Faculty of Education, Memorial University of Newfoundland, St. John's, Newfoundland, Canada ($1.00).
PUB DATE - 70 48p.

DESCRIPTORS - *TECHNICAL EDUCATION; *CURRICULUM DEVELOPMENT; *COMPARATIVE ANALYSIS; *ELECTRONIC TECHNICIANS; *VOCATIONAL EDUCATION TEACHERS; COURSE CONTENT; PROGRAM DEVELOPMENT; CLUSTER GROUPING

ABSTRACT - The primary aim of this study was to conduct an analysis of electronics technology occupations in terms of knowledge requirements in the subject areas of physics, electricity, and electronics. The basic data collection device was a series of three Q-part instruments applied to a sample of 100 electronics technicians and 14 electronics technology instructors in the Canadian province of Alberta. Both instructors and technicians tended to emphasize applied rather than theoretical electricity topics. Among the recommendations was that emphasis in electricity be on circuits rather than on field theory, and that the orientation in physics be towards wave concepts, modern physics, optics, and basic mechanics and heat. (Author).

VT 012 409 ED 048 459
Allied Health Education. Comprehensive Health Services. Career Development Issues, Volume 1, Number 4.

National Inst. for New Careers, Washington, D.C.
Office of Economic Opportunity, Washington, D.C.
DOCUMENT NOT AVAILABLE FROM EDRS.
National Institute for New Careers, A Division of University Research Corporation, 4301 Connecticut Avenue, N.W., Washington, D.C. 20008.
PUB DATE - Jun70 18p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; *CONFERENCE REPORTS; SPEECHES; *SUBPROFESSIONALS; CORE CURRICULUM; JOB ANALYSIS; *JOB DEVELOPMENT; CURRICULUM DESIGN; OCCUPATIONAL MOBILITY; PROMOTION (OCCUPATIONAL); *CAREER LADDERS

ABSTRACT - Papers presented at the 65th annual American Medical Association Congress on Medical Education are contained in this publication. "Core Curriculum in Allied Health Education" by Joseph Hamburg clusters general subjects into environmental, communicative, and interpretive categories and clusters allied health subjects into those three and an additional directive category. "Development and Growth of New Allied Health Fields" by Israel Light discusses reasons for engaging in job analysis of an entire specialty or functional area when developing assistant categories, questions to be asked when planning and constructing a new curriculum, separate and joint responsibilities of the educational and medical spheres in development of new fields, and identification of some current activities in allied health occupations development. "Career Mobility in Allied Health Education" by J. Warren Perry examines the needs for career mobility and attempts to implement career ladders. (SB)

VT 012 413 ED 048 460
Moody, Ferman B.
A Description of Special Vocational Education Programs for Disadvantaged Persons in Pennsylvania.

Pennsylvania State Dept. of Education, Harrisburg. Bureau of Vocational, Technical, and Continuing Education.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 70 66p.

DESCRIPTORS - *PROGRAM DESCRIPTIONS; *EDUCATIONAL PROGRAMS; *CULTURALLY DISADVANTAGED; *VOCATIONAL EDUCATION; SPECIAL PROGRAMS; *FEDERAL PROGRAMS
IDENTIFIERS - VOCATIONAL EDUCATION AMENDMENTS OF 1968

ABSTRACT - The Vocational Education Amendments of 1968 challenged vocational educators to set up meaningful services for persons with special needs. Pennsylvania vocational educators feel they have begun to accept this challenge. This report reviews the major programs that received funds for the disadvantaged in Pennsylvania under Public Law 90-576 during the 1970 fiscal year. Each program description includes objectives, procedures, size, duration, and a person to contact for further information. Programs are grouped according to occupational areas, with a special section for programs overlapping between areas. (BH)

VT 012 414 ED 048 461
Leadership and Change in Vocational-Technical

Education: Administrators' Workshop for Building Research and Evaluation into Local Practice (Edison, N.J., May 5-6, 19-20, 1970). Final Report.

Rutgers, The State Univ., New Brunswick, N.J. Dept. of Vocational-Technical Education.
New Jersey State Dept. of Education, Trenton. Div. of Vocational Education
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Jul70 106p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *CONFERENCE REPORTS; WORKSHOPS; *GUIDELINES; *RESEARCH UTILIZATION; PROGRAM EVALUATION; EVALUATION; EDUCATIONAL PLANNING; LEADERSHIP TRAINING; *EDUCATIONAL CHANGE

ABSTRACT - As part of a 5-year state-coordinated plan for building research and evaluation into the local vocational programs, a state-wide administrators' workshop was held to consider conditions and practices in educational operations which inhibit the use of research findings, and to develop guidelines for minimizing the effect of deterrents to local implementation of research and evaluation in vocational education. The 50 local and national participants of this 4-day workshop heard presentations on: (1) "Research and Evaluation in Local Schools" by Gordon Law, (2) "Priorities for Research and Evaluation" by Robert Worthington, (3) "Federal-State Guidelines for Vocational Education" by Charles O'Connor, (4) "How a County Superintendent of Vocational Education Views Research and Evaluation" by Robert Toft, (5) "Evaluation Supported by Research" by Po Yen Koo, and (6) "Research and Development in Industry" by Pecka and Landauer. Products of the presentations and discussion sessions include (1) Deterrents to Research and Evaluation, (2) Guidelines for Minimizing Deterrents, (3) Guidelines for Building Research and Evaluation into Local Practice, and (4) Guidelines for Specific Action in Home School Districts. (JS)

VT 012 415
Brower, Edward B.
A Study of the Office Employment Expectations of White and Nonwhite Business Education Students..Occupational Research Development Monograph No. 6.

New Jersey State Dept. of Education, Trenton. Occupational Research and Development Branch.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 21p.

DESCRIPTORS - *BUSINESS EDUCATION; *HIGH SCHOOL STUDENTS; OFFICE OCCUPATIONS; *OCCUPATIONAL ASPIRATION; *RACIAL FACTORS; *SOCIOECONOMIC INFLUENCES; STUDENT ATTITUDES; MOTIVATION

ABSTRACT - This study analyzed the effects of race, achievement, business education, course concentration, and socioeconomic status on the office employment expectations of business education students. Questionnaires were used to obtain data from 1,074 business education students and 215 office supervisory personnel in central New Jersey. Analysis of the data showed that all the variables have significant effects on expectations. Socioeconomic status, however, is significant only in its effects on expectations related to securing employment and promotions and expectations related to personal traits; in terms of factual office employment information the effect of socioeconomic status is insignificant. Although none of the student subgroups had expectations approaching the responses of the office personnel, the white, high achieving, and secretarial students came closest. These results demonstrate the need for better information in various business courses to improve the accuracy of student expectations. (BH)

VT 012 416
Gurst, Lawrence E.
The Role of the Counselor in Vocational Education. Final Report.

Glassboro State Coll., N.Y. Dept. of Education.
New Jersey State Dept. of Education, Trenton.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 69 53p.

DESCRIPTORS - *COUNSELOR TRAINING; *VOCATIONAL EDUCATION; COUNSELOR ROLE; *COUNSELOR PERFORMANCE; INSERVICE PROGRAMS; TEACHING MODELS; *COUNSELORS; EVALUATION TECHNIQUES

ABSTRACT - This program provided training for vocational counselors and created a model for other counselor education programs and local inservice training projects. Vocational education specialists discussed with the participants their roles in vocational education. Each participant was required to identify a specific need within his own school system and develop a positive action approach to cure it. Monthly followup seminars served as a continuing evaluation of the program for 3 months after the summer institute. (BH)

VT 012 417 ED 049 358
Kievit, Mary B.
An Investigation of the Effectiveness of a Design to Initiate Curriculum Change in Home Economics. Pilot Study: Phase 1, Occupational Research Development Monograph No. 5.

Rutgers, The State Univ., New Brunswick, N.J. Dept. of Vocational-Technical Education.
New Jersey Occupational Research and Development Branch, Trenton.
EDRS PRICE MF-$0.65 HC-$9.87
PUB DATE - ND 208p.

DESCRIPTORS - *OCCUPATIONAL HOME ECONOMICS; *HOME ECONOMICS TEACHERS; *SECONDARY EDUCATION; *CURRICULUM DEVELOPMENT; WORKSHOPS; INSERVICE TEACHER EDUCATION; *EDUCATIONAL RESEARCH; TEACHER CHARACTERISTICS; PILOT PROJECTS

ABSTRACT - To test the effectiveness of a design for stimulating curriculum change,

seven home economics teachers were trained to serve as leaders of seven 2-hour inservice workshops which were designed to motivate the experimental group of 79 secondary home economics teachers to incorporate wage-earning emphases in their programs. All the participants, including a control group of 79 teachers, were interviewed in an attempt to find demographic, dual role, and social-psychological variables that differentiated teachers who included wage-earning emphases from those who did not. Results suggested a positive relationship between wage-earning emphases and being married, maintaining socioeconomic status, having taught longer, high professional involvement, high self-rating of teaching effectiveness, and others. In addition to the interviews, each workshop was evaluated, and pre- and posttests were administered at the conclusion of the workshops. As a result of this pilot study, a followup study is in process. Several study instruments are appended. (SB)

VT 012 438 ED 050 249
Persons, Edgar, Ed.; Copa, George, Ed.
Research in Agricultural Education Program Beyond High School.

Minnesota Univ., St. Paul. Dept. of Agricultural Education.
Minnesota Research Coordinating Unit in Occupational Education, Minneapolis
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Oct70 50p.Report of the Central Regional Research Conference on Agricultural Education (Alexandria, Minn., Jul 28-30, 1970).

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CONFERENCE REPORTS; RESEARCH PROPOSALS; *EDUCATIONAL RESEARCH; *RESEARCH NEEDS; AREA VOCATIONAL SCHOOLS; JUNIOR COLLEGES; COMMUNITY COLLEGES; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; *TECHNICAL EDUCATION
IDENTIFIERS - PROJECT MINI SCORE

ABSTRACT - Concentrating on research in agricultural programs beyond the high schools, this 1970 Central Region conference report includes material applicable to area vocational technical schools, junior and community colleges, and continuing education for beginning and adult farmers. Each of these groups developed a list of interests, needs, and problems for their particular area and generated research proposals which are included in the report. Paper presentations are: (1) "Project Mini-Score" by David Wheller, and (2) "News and Reviews from Washington" by Philip Teske. The business session report and listing of conference staff and participants are appended. (GB)

VT 012 439 ED 050 250
Stevens, Glenn Z.; Hoover, Norman K.
Vocational-Technical Education in Agricultural Resources. Final Report.

Pennsylvania State Univ., University Park. Dept. of Agricultural Education.
Pennsylvania Research Coordinating Unit for Vocational Education, Harrisburg
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 69 46p.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INSTRUCTIONAL MATERIALS; *PROGRAM CONTENT; CONSERVATION; RECREATIONAL ACTIVITIES; *AGRICULTURAL OCCUPATIONS; *PROGRAM DEVELOPMENT; OFF FARM AGRICULTURAL OCCUPATIONS; OCCUPATIONAL INFORMATION; MEASUREMENT INSTRUMENTS; QUESTIONNAIRES; TECHNICAL EDUCATION; AGRICULTURAL TECHNICIANS

ABSTRACT - Suitable program establishment guides and teaching materials are needed to develop programs in agricultural resources that will qualify students to enter and advance in existing and emerging occupations in the areas of conservation, recreational utilization, and protection and regulations. The first phase of the project sought to determine the attitudes of five groups of 20 agricultural-related persons each toward 56 items of program establishment and 64 items of instructional units. The consensus of opinion among the groups found in 81 percent of the items justifies the use of agricultural resource persons in determining program and instructional content and the development of a guide for establishing programs. The second phase of the project focused on the preparation of a teacher's resource unit for an introductory course for high school students. The survey instruments and the availability of publications developed through the project are appended. (GB)

VT 012 442
Foremen in Indiana Industries; Their Characteristics, Job Functions, and Educational Requirements. Manpower Report 70-2.

Purdue Univ., Lafayette, Ind. Office of Manpower Studies.
MF AVAILABLE IN VT-ERIC SET.
Office of Manpower Studies, Purdue University, SCC-A, Lafayette, Indiana 47907 ($1.75).
PUB DATE - 10Nov70 89p.

DESCRIPTORS - *SUPERVISORS; *INDUSTRIAL PERSONNEL; *EDUCATIONAL NEEDS; *INDIVIDUAL CHARACTERISTICS; OCCUPATIONAL INFORMATION; *STATE SURVEYS; INPLANT PROGRAMS; JOB SKILLS

ABSTRACT - To analyze the problem of inadequate preparation of new foremen, this study identifies characteristics of foremen, existing training programs, and new programs which are needed. Response from over half of 563 firms and 6,807 foremen contacted in a state-wide survey yielded data strongly supporting the establishment of an associate degree program. Firms and foremen alike stress the need and desire for an educational program, and both are willing to pay part of the costs. (Not recommended for hard copy reproduction due to marginal legibility of original document.) (BH)

52

VT 012 443 ED 047 116
SCOTT, ELLIS L., ED.; BOLZ, ROGER W., ED.

AUTOMATION AND SOCIETY. THE GEORGIA-RELIANCE SYMPOSIUM.

GEORGIA UNIV., ATHENS.
RELIANCE ELECTRIC CO., CLEVELAND, OHIO.
EDRS PRICE MF-$0.65 HC-$9.87
CENTER FOR THE STUDY OF AUTOMATION AND SOCIETY, POST OFFICE BOX 47, ATHENS, GEORGIA 30601 ($5.75)
PUB DATE - 69 212P.

DESCRIPTORS - AUTOMATION; CONFERENCE REPORTS; *ECONOMIC CHANGE; *SOCIAL CHANGE; SOCIAL PLANNING; *SOCIAL STRUCTURE; SOCIOCULTURAL PATTERNS; SYMPOSIA; *TECHNOLOGICAL ADVANCEMENT

ABSTRACT - IN ORDER TO EXPLORE THE STATUS OF TECHNOLOGY AND ITS RELATIONSHIPS WITH AREAS OF SOCIAL CONCERN, NEARLY 50 LEADING AUTHORITIES IN SOCIAL ORGANIZATION, AUTOMATION TECHNOLOGY, EDUCATION, AND BUSINESS MET FOR THIS SYMPOSIUM. AMONG THE 12 ARTICLES IN THIS REPORT ARE POSITION PAPERS PREPARED FOR EACH OF THE FOUR AREAS, IN ADVANCE OF THE CONFERENCE BY CLIFFORD E. EVANSON (TECHNOLOGY), GRANT VENN (EDUCATION), HERBERT KLEIMAN (BUSINESS AND THE ECONOMY), AND FREDERICK L. BATES (SOCIAL CULTURAL DIMENSIONS OF AUTOMATION). AS A RESULT OF THE SYMPOSIUM, THE CENTER FOR THE STUDY OF AUTOMATION AND SOCIETY WAS ESTABLISHED IN ATHENS, GEORGIA, CO-SPONSORED BY THE UNIVERSITY OF GEORGIA AND THE RELIANCE ELECTRIC COMPANY. (BH)

VT 012 445 ED 047 117
DILLON, ROY DEAN
COMPARISON OF CERTAIN ABILITIES NEEDED BY WORKERS IN LICENSED NURSERIES AND LICENSED ORNAMENTAL HORTICULTURE BUSINESSES.

DOCUMENT NOT AVAILABLE FROM EDRS.
UNIVERSITY MICROFILMS, INC., 300 NORTH ZEEB ROAD, ANN ARBOR, MICHIGAN 48106 (ORDER #65-7090, MICROFILM 3.40 - XEROGRAPHY 11.95)
PUB DATE - 65 239P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; AGRICULTURAL SKILLS; BUSINESS SKILLS; COMPARATIVE ANALYSIS; *DOCTORAL THESES; EDUCATIONAL NEEDS; *JOB SKILLS; NURSERIES (HORTICULTURE); *NURSERY WORKERS (HORTICULTURE); ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; QUESTIONNAIRES; SALES OCCUPATIONS; SALES WORKERS; SUPERVISORS

ABSTRACT - TO DETERMINE IF SEPARATE AND SPECIALIZED COURSES OF AGRICULTURE ARE NEEDED BY WORKERS IN LICENSED NURSERIES AND LICENSED ORNAMENTAL HORTICULTURE BUSINESSES, THIS STUDY UTILIZED QUESTIONNAIRES OF 100 ITEMS OF KNOWLEDGE IN AGRICULTURE. RESULTS INDICATE THAT: (1) 84 ITEMS OF KNOWLEDGE IN AGRICULTURE ARE NEEDED BY DIRECTORS OF THESE BUSINESSES, (2) 76 ITEMS OF KNOWLEDGE ARE NEEDED BY SALESMEN, (3) 57 ITEMS OF KNOWLEDGE ARE NEEDED BY SUPERVISORS, AND (4) 36 ITEMS OF KNOWLEDGE ARE NEEDED BY FIELD WORKERS. CONCLUSIONS SHOW THAT SOME BASIC COURSES AND SOME SPECIALIZED COURSES ARE NEEDED FOR GENERAL DIRECTORS, SALESMEN, SUPERVISORS, AND FIELD WORKERS. RECOMMENDATIONS ARE THAT ALL THESE WORKERS BEGIN IN A CURRICULUM OF BASIC COURSES AND ADVANCE TO SPECIALIZED COURSES UNTIL THE PERSON IS QUALIFIED TO ENTER THE POSITION OF HIS CHOOSING. THIS ED.D. THESIS WAS SUBMITTED TO ILLINOIS UNIVERSITY. (GB)

VT 012 451 ED 048 462
Longitudinal Evaluation Study of Five Manpower Training Programs: Investigation of the Study Sample Design.

Operations Research, Inc., Silver Springs, Md.
Office of Economic Opportunity, Washington, D.C. Office of Planning, Research, and Evaluation.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - 30Jun69 149p.

DESCRIPTORS - *MANPOWER DEVELOPMENT; *FEDERAL PROGRAMS; *PROGRAM EVALUATION; *EVALUATION TECHNIQUES; INCOME; EVALUATION METHODS; *RESEARCH DESIGN; LONGITUDINAL STUDIES; PARTICIPANT CHARACTERISTICS; EMPLOYMENT; COST EFFECTIVENESS; RESEARCH METHODOLOGY

ABSTRACT - This report develops the sample design for evaluating five Federal manpower programs in terms of their effects upon trainees' incomes. The study involves a large 10-city sample of trainees in Job Corps, Neighborhood Youth Corps, Job Opportunities in the Business Sector, and Manpower and Development Act Institutional Training programs (New Careers was originally included, but later deleted because of its lack of similarity to the other programs). After interviews and tests at the beginning of training, the enrollee will be followed through training and for 12 months afterward. A control group will be interviewed at the same intervals. This report describes the sample design and estimates the necessary sample size for given levels of training. (Author/BH)

VT 012 452 ED 048 463
McCall, John J.
Racial Discrimination in the Job Market: The Role of Information and Search.

Rand Corp., Santa Monica, Calif.
Office of Economic Opportunity, Washington, D.C. Office of Planning, Research, and Evaluation
EDRS PRICE MF-$0.65 HC-$3.29
RM-6162-OEO
PUB DATE - Jan70 35p.

DESCRIPTORS - INFORMATION NEEDS; *LABOR MARKET; *ECONOMIC RESEARCH; NEGRO EMPLOYMENT; *RACIAL DISCRIMINATION; *ECONOMIC FACTORS; *RISK; EMPLOYMENT PRACTICES; EMPLOYER ATTITUDES; EMPLOYEE ATTITUDES; EQUAL OPPORTUNITIES (JOBS)

ABSTRACT - The theory developed in this study assumes that the value of discrimination is positive, and its magnitude is a function of the business cycle. A changing economic environment induces employers to engage in experiments, such as hiring nonwhites in periods of tight labor markets. When these

experiments alter employer attitudes, reduced discrimination can result. Similarly, employee experimentation in a tight labor market can change their beliefs regarding the intensity of discrimination. Using a Bayesian model to analyze uncertainty, the theory provides an economic explanation for discrimination and its cure. (BH)

VT 012 454 ED 048 464
Bestor, Rollie Ray
A Determination of Selected Criteria to be Utilized in Locating and Establishing Area Vocational Education Schools in Utah. Final Report.

Utah Research Coordinating Unit for Vocational and Technical Education, Salt Lake City.
Office of Education (DHEW), Washington, D.C. Bureau of Research.
EDRS PRICE MF-$0.65 HC-$3.29
OEG-4-7-063046-1612 08
BR-6-3046
PUB DATE - Jan70 33p.

DESCRIPTORS - *SCHOOL LOCATION; *AREA VOCATIONAL SCHOOLS; *SITE SELECTION; *CRITERIA; COST EFFECTIVENESS; *EDUCATIONAL RESEARCH; EVALUATION TECHNIQUES
IDENTIFIERS - UTAH

ABSTRACT - In order to develop criteria for site selection, this study gathered data from both a review of the literature and a questionnaire survey of state directors of vocational education. Although wide variations in criteria were discovered, five areas of concern were identified: (1) potential enrollment, (2) finances, (3) local support and initiative, (4) employment of graduates, and (5) the relationship between school location and other services. Separate criteria were developed for four types of area schools in Utah. A bibliography of materials helpful in establishing state criteria is appended. (BH)

VT 012 455
Robertson, Von H.
Evaluation of Summer Vocational Classes for High School Students at Utah Technical College at Provo and in Alpine, Nebo, and Provo School Districts 1964-1969. Final Report.

Utah Research Coordinating Unit for Vocational and Technical Education, Salt Lake City.
Office of Education (DHEW), Washington, D.C. Bureau of Research.
MF AVAILABLE IN VT-ERIC SET.
OEG-4-7-063046-1612 08
BR-6-3046
PUB DATE - Jan70 37p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *PROGRAM EVALUATION; *OPINIONS; STUDENT OPINION; *PROGRAM EFFECTIVENESS; HIGH SCHOOL STUDENTS; *FOLLOWUP STUDIES; CAREER CHOICE; CHANGING ATTITUDES; STUDENT ATTITUDES

ABSTRACT - To evaluate the effectiveness of this technical college summer vocational program as offered for high school students, a survey was made of graduates, parents, and school administrators. Of the 991 students contacted, 393 responded to the questionnaire, and of those, 273 stated that the classes should be continued at the technical college. Also, 109 reported that the training had influenced their choice of careers. The parent survey indicates that the summer program developed more mature attitudes in the students while the administrators felt the school districts should have the prerogative of providing this instruction. Close cooperation between the technical college and district high schools in planning future summer vocational programs was recommended. (JS)

VT 012 462 ED 047 121
BOSE, ARNOLA C.
AN EXPERIMENT TO DETERMINE THE EFFECTS OF IMMEDIATE VERSUS DELAYED KNOWLEDGE OF RESULTS ON INITIAL LEARNING AND RETENTION OF SELECTED RELATED LEARNING IN TRANSCRIPTION CLASSES.

DOCUMENT NOT AVAILABLE FROM EDRS.
UNIVERSITY MICROFILMS, INC., 300 NORTH ZEEB ROAD, ANN ARBOR, MICHIGAN 48106 (ORDER NO. 67-7190, MF $4.00 XEROGRAPHY $10.00)
PUB DATE - JUL 66 205P.

DESCRIPTORS - *BUSINESS EDUCATION; *COLLEGE STUDENTS; *COMPARATIVE ANALYSIS; INSTRUCTIONAL MATERIALS; *LEARNING; OFFICE OCCUPATIONS EDUCATION; *RETENTION; STENOGRAPHY; TEACHING TECHNIQUES

ABSTRACT - TWENTY-FOUR SETS OF SPECIALLY PREPARED TEACHING MATERIALS WERE USED TO DETERMINE THE EFFECTS OF IMMEDIATE VERSUS DELAYED KNOWLEDGE OF RESULTS ON INITIAL LEARNING AND RETENTION OF SELECTED RELATED LEARNINGS IN TRANSCRIPTION CLASSES. INITIAL LEARNING WAS MEASURED BY SCORES ON QUIZZES GIVEN IMMEDIATELY AFTER THE ADMINISTRATION OF EACH SET OF TEACHING MATERIALS AND TESTING ONLY THESE RELATED LEARNINGS INCLUDED IN THAT PARTICULAR SET OF TEACHING MATERIALS. RETENTION WAS MEASURED BY A POSTTEST GIVEN ONE WEEK FOLLOWING THE ADMINISTRATION OF THE LAST SET OF TEACHING MATERIALS. THE SUBJECTS WERE 138 FEMALE STUDENTS WHO WERE ENROLLED IN ONE OF THE BEGINNING OR ADVANCED TRANSCRIPTION CLASSES TAUGHT AT OKLAHOMA STATE UNIVERSITY. RESULTS INDICATED THAT IN THIS PARTICULAR EXPERIMENT IMMEDIATE KNOWLEDGE OF CORRECT RESPONSE HAD NO SIGNIFICANT EFFECT ON INITIAL LEARNING IN BEGINNING TRANSCRIPTION, BUT IMMEDIATE KNOWLEDGE OF CORRECT RESPONSE SIGNIFICANTLY FACILITATED INITIAL LEARNING IN ADVANCED TRANSCRIPTION. IMMEDIATE KNOWLEDGE OF CORRECT RESPONSE APPEARED TO HAVE NO SIGNIFICANT EFFECT ON RETENTION IN EITHER BEGINNING OR ADVANCED TRANSCRIPTION. THIS ED.D. DISSERTATION WAS SUBMITTED TO OKLAHOMA STATE UNIVERSITY. (AUTHOR)

VT 012 463 ED 048 465
A Study of Career Ladders and Manpower Development for Non-Management Personnel in the Food Service Industry.

Cornell Univ., Ithaca. School of Hotel Administration.
Manpower Administration (DOL), Washington, D.C. Office of Manpower Research
EDRS PRICE MF-$0.65 HC-$9.87
PUB DATE - Jun70 222p.

DESCRIPTORS - *EDUCATIONALLY DISADVANTAGED; FOOD SERVICE INDUSTRY; *CAREER OPPORTUNITIES; *FOOD SERVICE WORKERS; OCCUPATIONAL MOBILITY; *MANPOWER DEVELOPMENT; MANPOWER NEEDS; MODELS; PYRAMID ORGANIZATION; LABOR TURNOVER; *CAREER LADDERS

ABSTRACT - Because of its failure to provide career ladders for non-management employees, the food service industry is facing increasingly severe manpower shortages and labor turnover. Unnecessary requirements bar entry workers from many jobs, and training opportunities leave much to be desired. This report identifies the problem areas and develops a model career progression system to promote optimal horizontal and vertical advancement for non-management personnel. Case studies and personal interviews were used to collect data from corporate officials, employees, and former employees of 18 large companies representing all segments of the food service industry. Their responses demonstrate the need for improved recruitment practices and working conditions in jobs offering the opportunity for advancement. (BH)

VT 012 464
1970 Annual Evaluation Report to the State Board for Vocational Education.

Nebraska State Advisory Council for Vocational Education, Lincoln.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Aug70 10p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *STATE PROGRAMS; *PROGRAM EVALUATION; ANNUAL REPORTS; ADVISORY COMMITTEES
IDENTIFIERS - NEBRASKA

ABSTRACT - This council report is an evaluation of vocational education in Nebraska. Although generally impressed with the State's efforts, the council found much room for program improvement. Recommendations were made in six areas: (1) state goals and priorities, (2) human resources development, (3) adaptability of the program to the requirements of the 1968 Vocational Education Amendments, (4) people and their needs, (5) employment opportunities and Implications for vocational education, and (6) guidelines for a state master plan. (BH)

VT 012 466
Bender, Ralph E.
The 1969 Occupations of Recent Graduates of Vocational Agriculture in Ohio.

Ohio State Univ., Columbus. Dept. of Agricultural Education.
MF AVAILABLE IN VT-ERIC SET.
AGDEX 010/008

Department of Agricultural Education, The Ohio State University, 2120 Fyffe Road, Columbus, Ohio 43210 (no charge).
PUB DATE - Jan70 6p.

DESCRIPTORS - *GRADUATE SURVEYS; *VOCATIONAL AGRICULTURE; *EMPLOYMENT TRENDS; AGRICULTURAL OCCUPATIONS; *VOCATIONAL FOLLOWUP; *HIGH SCHOOL GRADUATES; STATE SURVEYS; OCCUPATIONAL CHOICE

ABSTRACT - This survey of 1,672 Ohio vocational agriculture graduates from the 1968 and 1964 classes revealed the employment experience of graduates 1 and 5 years after leaving school. When compared with the experience of the 1952-1964 classes after 5 years and the 1959-1968 classes after 1 year, the data show declining number of graduates entering farming, and increases in college and technical school enrollments by graduates. (GEB)

VT 012 467 ED 049 359
Postsecondary Occupational Education Seminar, Federal Programs for the 1970's (Arlington, Virginia, May 10-12, 1970).

American Vocational Association, Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
Office of Governmental Affairs, American Association of Junior Colleges, 1 Dupont Circle, Washington, D.C. 20036 ($2.00).
PUB DATE - May70 84p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *SEMINARS; *POST SECONDARY EDUCATION; *COMMUNITY COLLEGES; PUBLIC POLICY; *FEDERAL PROGRAMS; EDUCATIONAL QUALITY; PROGRAM ADMINISTRATION; PROGRAM PLANNING; EDUCATIONAL ACCOUNTABILITY; EDUCATIONAL OPPORTUNITIES

ABSTRACT - Members of the American Vocational Association and the American Association of Junior Colleges along with Congressional and Department of Health, Education, and Welfare staff members and resource persons, attended a 3-day seminar to probe national policy and federal programs as they affect occupational education. Seminar activities included major presentations by Kenneth Hoyt, Carl Perkins, Harry Hogan, Albert Quie, Charles Lee, and Ralph Yarborough as well as group work on (1) issues of administration and planning, (2) continuing opportunities for occupational education, (3) accountability, (4) professional bonds, (5) accreditation, and (6) quality in occupational education. Texts of the major presentations, remarks by participants, and recommendations by the issue groups are included. A major recommendation stemming from the seminar is that vocational education and community colleges should work together. (SB)

VT 012 468
Stats, Jeanette
Door to Opportunity. Title V, Economic Opportunity Act. A Summary Report of the Work Experience and Training Program, 1964-1969.

Community Services Administration (DHEW),

Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Feb70 67p.

DESCRIPTORS - *FEDERAL PROGRAMS; EVALUATION METHODS; *WORK EXPERIENCE PROGRAMS; *ADULT VOCATIONAL EDUCATION; *CULTURALLY DISADVANTAGED; *COST EFFECTIVENESS; PROGRAM EVALUATION; EMPLOYMENT PROGRAMS; PARTICIPANT CHARACTERISTICS; PROGRAM DESCRIPTIONS; WELFARE RECIPIENTS
IDENTIFIERS - *ECONOMIC OPPORTUNITY ACT

ABSTRACT - Title V of the Economic Opportunity Act of 1964, which was oriented toward making welfare recipients productive, created a total of 344 projects serving 228,000 persons. These projects, which were administered by state and local public welfare agencies, provided basic education, medical and social services, placement, and training oriented to local job markets. Benefit cost analysis has been unsatisfactory in evaluating the projects, because many of the benefits cannot be measured quantitatively. Intangible benefits such as pride and hope cannot be put in dollar terms. However, even when these benefits are ignored, and only costs and benefits to society are considered, the results have more than justified the investment. (BH)

VT 012 469 ED 048 466
Chau, Laurence C.
An Econometric Model for Forecasting Income and Employment in Hawaii.

Hawaii Univ., Honolulu. Economic Research Center.
EDRS PRICE MF-$0.65 HC-$6.58
Economic Research Center, University of Hawaii, 1110 University Avenue, Room 401, Honolulu, Hawaii 96814 ($2.50).
PUB DATE - Jun70 146p.

DESCRIPTORS - *MATHEMATICAL MODELS; ECONOMIC RESEARCH; ECONOMIC CHANGE; *ECONOMIC FACTORS; ECONOMIC CLIMATE; *MULTIPLE REGRESSION ANALYSIS; *INCOME; *EMPLOYMENT LEVEL; RESEARCH METHODOLOGY; EMPLOYMENT PROJECTIONS; ECONOMIC DEVELOPMENT

ABSTRACT - This report presents the methodology for short-run forecasting of personal income and employment in Hawaii. The econometric model developed in the study is used to make actual forecasts through 1973 of income and employment, with major components forecasted separately. Several sets of forecasts are made, under different assumptions on external conditions, demonstrating the model's value in comparing the effects of different government policies. Sample forecasts for the 1966-68 period which were made as a test of the model's predictive powers show that the model is quite accurate, especially in projecting employment. (BH)

VT 012 471
Picou, J. Steven; Azuma, Henry T.
Occupational and Educational Projections of Deep-South Delinquent and Non-Delinquent Black Males.

Louisiana State Univ., Baton Rouge.
Department of Agriculture, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 29p. Presented at the Annual Meeting of the Southern Sociological Society (33rd, Atlanta, Ga., Apr 9-11, 1970).

DESCRIPTORS - *ECONOMICALLY DISADVANTAGED; *ACADEMIC ASPIRATION; *OCCUPATIONAL ASPIRATION; GRADE 9; *NEGRO STUDENTS; MALES; DELINQUENTS; LOWER CLASS STUDENTS; TABLES (DATA)
IDENTIFIERS - LOUISIANA

ABSTRACT - To provide information on the occupational and educational projections of lower-class delinquent and non-delinquent black youth residing in a selected area of Louisiana, data were obtained from group-administered questionnaires presented to 73 institutionalized and 68 non-institutionalized black ninth-grade boys. Two open-ended questions were utilized to obtain the occupational aspirations and expectations of the respondents. The study revealed that the boys were oriented toward upward social mobility, and their goals and plans definitely exceeded the existing social positions of their parents. The occupational aspirations of both delinquent and non-delinquent boys fell primarily in professional, glamour, and skilled occupations. Large proportions of both groups indicated that they desired some form of college-level training. Several data tables are included. (SB)

VT 012 474 ED 048 467
Kahler, Alan A.
An Experimental Evaluation of the Effectiveness of Selected Techniques and Resources on Instruction in Vocational Agriculture.

Iowa Agricultural and Home Economics Experiment Station, Ames.
Iowa State Univ. of Science and Technology, Ames.
Iowa State Dept. of Public Instruction, Des Moines. Vocational Education Branch
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 70 44p.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *INSTRUCTIONAL AIDS; STATISTICAL ANALYSIS; SECONDARY SCHOOL STUDENTS; VOCATIONAL AGRICULTURE TEACHERS; RESEARCH METHODOLOGY; EXPERIMENTAL PROGRAMS; CONTROL GROUPS; *EXPERIMENTAL TEACHING; *TEACHING METHODS; CONVENTIONAL INSTRUCTION; EFFECTIVE TEACHING; EVALUATION TECHNIQUES; *TEACHING TECHNIQUES

ABSTRACT - The study was designed to test new instructional techniques in vocational agriculture, determine their effectiveness on student achievements, and compare individual and group instructional techniques. Forty-eight randomly selected Iowa high school vocational agriculture programs with enrollments of 35 students or more were selected for testing the instructional approaches, using seven pilot programs and one control group. The eight approaches

included (1) audio-tutorial, (2) single concept film, (3) prepared lesson plan, (4) field trip, (5) demonstration, (6) videotape, (7) overhead projected transparency, and (8) traditional. Instructional materials, covering four different units, were designed by the investigators specifically for this study. Posttests indicated that all eight approaches had been effective, thereby suggesting that these techniques be considered by vocational agriculture instructors. (GEB)

VT 012 476
Transitional Manpower Programs. A Status Report.

Department of Defense, Washington, D.C. Assistant Secretary of Defense (Manpower and Reserve Affairs).
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Oct70 67p.

DESCRIPTORS - *MILITARY PERSONNEL; INTERAGENCY COORDINATION; *ADULT VOCATIONAL EDUCATION; VOCATIONAL COUNSELING; *TRANSFER OF TRAINING; VOCATIONAL RETRAINING; MILITARY TRAINING; *VOCATIONAL ADJUSTMENT; *JOB PLACEMENT; PROGRAM DESCRIPTIONS
IDENTIFIERS - TRANSITION PROGRAM; REFERRAL PROGRAM; GENERAL SEPARATIONS

ABSTRACT - Transitional manpower programs, including TRANSITION, REFERRAL, and General Separations, provide the adjustment mechanism necessary for transition from military to civilian occupations. TRANSITION provides guidance, training, and placement information to servicemen during the last 6 months of duty, whereas REFERRAL acts as a computerized man-job matching system for retiring servicemen. All administrative activities required for separation are handled under General Separations. Intergovernmental cooperation in these programs is substantial; care is taken not to duplicate services offered by other agencies. Federal manpower programs, state employment services, and other labor department and state agencies are utilized whenever possible. (BH)

VT 012 481
Arizona Basic Economic and Manpower Data.

Arizona State Employment Security Commission, Phoenix.
MF AVAILABLE IN VT-ERIC SET.
Res Info Ser ECO-2-70
PUB DATE - Sep70 61p.

DESCRIPTORS - *LABOR FORCE; *MANPOWER NEEDS; *DEMOGRAPHY; *EMPLOYMENT STATISTICS; *ECONOMIC CLIMATE; EDUCATIONAL OPPORTUNITIES; MANPOWER DEVELOPMENT; FEDERAL PROGRAMS

ABSTRACT - This report describes Arizona's economic climate and manpower problems and the educational programs which have resulted to meet the needs. Manpower needs and programs are provided by county, and employment statistics by county for 1968 and 1969 are appended. This report is a revision of VT 009 762 (ARM Fall 1970). (BH)

VT 012 483 ED 047 126
ROSS, B. JOHN
MUSEUM RESOURCES AND THEIR UTILIZATION IN INDUSRIAL ARTS EDUCATION.

DOCUMENT NOT AVAILABLE FROM EDRS.
UNIVERSITY MICROFILMS, INC., 300 NORTH ZEEB ROAD, ANN ARBOR, MICHIGAN 48106
PUB DATE - 70 374P.SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF DOCTOR OF EDUCATION IN THE SCHOOL OF EDUCATION, N.Y.U.

DESCRIPTORS - DOCTORAL THESES; GUIDELINES; *INDUSTRIAL ARTS; *INSTRUCTIONAL MATERIALS; *MUSEUMS; NATURE CENTERS; QUESTIONNAIRES; *RESOURCE MATERIALS; UNIT PLAN
IDENTIFIERS - *NEW YORK

ABSTRACT - TO DEVELOP A PLAN FOR UTILIZATION OF MUSEUM RESOURCES FOR INDUSTRIAL ARTS EDUCATION, QUESTIONNAIRES WERE UTILIZED TO OBTAIN INFORMATION FROM PILOT STUDIES, EDUCATOR GROUP MEMBERS AND MUSEUM PROFESSIONALS. EXAMINATION OF DATA INDICATES THAT MUSEUMS REPRESENT A POTENTIAL RESOURCE APPROPRIATE TO INSTRUCTIONAL UTILIZATION FOR INDUSTRIAL ARTS EDUCATION. AS A RESULT OF THE STUDY, A SUGGESTED PLAN FOR UTILIZATION OF MUSEUM RESOURCES WAS DEVELOPED AS AN INSTRUCTIONAL GUIDE DESIGNED TO ACQUAINT INDUSTRIAL ARTS EDUCATORS WITH MUSEUMS AND THEIR RESOURCES AS SUPPLEMENTAL INSTRUCTIONAL AIDS. GUIDING PRINCIPLES RELATING TO THE UTILIZATION OF MUSEUM RESOURCES ARE PRESENTED. THIS ED.D. DISSERTATION WAS SUBMITTED TO NEW YORK UNIVERSITY. (GB)

VT 012 486
Waneous, S.J.
A Chronology of Business Education in the United States.

National Business Education Association, Washington, D.C. Publications Committee.
DOCUMENT NOT AVAILABLE FROM EDRS.
National Business Education Association, 1201 Sixteenth Street, N.W., Washington, D.C. 20036 ($.25).
PUB DATE - 69 11p.

DESCRIPTORS - *BUSINESS EDUCATION; VOCATIONAL EDUCATION; *HISTORY; CHARTS

ABSTRACT - This chronology begins with 1635, the year business education made its appearance in the new world, and runs through 1968 and the signing of the Vocational Education Amendments. Important dates, names and events are included. This document is a revision of an article that first appeared in Centennial Issue (May 1957) of "The Forum." Some new items have been added; many have been brought up to date. (JS)

VT 012 487 ED 049 360
Gartland, Thomas G.; Carmody, James F.
Practices and Outcomes of Vocational-Technical Education in Technical and Community Colleges.

American Coll. Testing Program, Iowa City, Iowa. Research and Development Div.

EDRS PRICE MF-$0.65 HC-$3.29
ACT-RR-37
PUB DATE - Oct70 49p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *COMMUNITY COLLEGES; *TECHNICAL INSTITUTES; *INSTITUTIONAL RESEARCH; *COUNSELING SERVICES; COMPARATIVE ANALYSIS; SCHOOL SURVEYS; STUDENT ENROLLMENT; EDUCATIONAL BENEFITS

ABSTRACT - A study of 2-year post secondary institutions was conducted to provide more adequate information about institutional guidance and research programs. A questionnaire was sent to 351 vocational-technical schools that offered no transfer programs, and a slightly different version was sent to 689 community or junior colleges offering both college transfer work and vocational-technical programs. Data were requested on counseling, research, data collection, program completion, transfer rates, and graduates' employment experiences. The results showed that vocational schools collected more extensive standardized data for selection purposes, whereas community colleges provided more comprehensive counseling. Research by community colleges was oriented toward demographic studies, unlike the vocational schools, which mainly conducted studies of student satisfaction and success both in school and after leaving. Vocational school graduates were less likely to transfer or drop out. (Author/BH)

VT 012 494
Report of an Evaluation of the Vocational-Technical Program in South Dakota.

South Dakota State Advisory Council on Vocational and Technical Education, Pierre.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Aug70 141p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *STATE PROGRAMS; *PROGRAM EVALUATION; ADVISORY COMMITTEES; ANNUAL REPORTS; MANPOWER NEEDS; DISADVANTAGED GROUPS; PROGRAM IMPROVEMENT
IDENTIFIERS - SOUTH DAKOTA

ABSTRACT - This evaluation study was made to determine how well South Dakota has met its objectives in secondary, postsecondary, and adult vocational education, in terms of responding to manpower requirements and meeting the needs of the disadvantaged. Out of 49 objectives established for the 1969-70 school year, 28 were met. Recommendations are made for improvements in developing area schools, administering programs at the state level, and meeting educational objectives. (BH)

VT 012 495
1970 Evaluation Report on Wyoming Occupational Education.

Wyoming State Advisory Council on Occupational Education, Cody.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Sep70 21p.

DESCRIPTORS - *STATE PROGRAMS; *VOCATIONAL EDUCATION; *PROGRAM EVALUATION; ADVISORY COMMITTEES; ANNUAL REPORTS
IDENTIFIERS - WYOMING

ABSTRACT - This evaluation of vocational education in Wyoming describes progress in five areas: (1) state goals, (2) human resources development, (3) adjustment to the 1968 Vocational Education Amendments, (4) effectiveness in serving people's needs, and (5) occupational opportunities. The report recommends improvements in several areas, including planning, evaluation, and target population selection. (BH)

VT 012 497
Special Project for the Implementation of Cooperative Education.

Omaha Public Schools, Nebr. Dept. of Vocational and Adult Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 21p.

DESCRIPTORS - *COOPERATIVE EDUCATION; *PROGRAM DEVELOPMENT; *SCHOOL INDUSTRY RELATIONSHIP; *COMMUNITY SURVEYS; *PROGRAM PROPOSALS; VOCATIONAL EDUCATION; ADULT EDUCATION; PROGRAM IMPROVEMENT; DISADVANTAGED YOUTH; PROGRAM PLANNING

ABSTRACT - The Special Program for the Implementation of Cooperative Education (SPICE) was conducted between June 15 and August 15, 1970 to determine the willingness of business and industry to serve as active resource personnel in classroom activities and to determine the means available in the business world that will help meet the needs of disadvantaged youth. A total of 776 business firms were contacted through personal interviews, and 599 firms approved the expansions of programs and 442 indicated a possibility of accepting student trainees. Results indicated that these and other objectives were achieved. (Author/JS)

VT 012 498
Thomas, Hollie B.; Leighty, George W.
Knowledges and Skills Needed by Employees in Agricultural Supply Businesses: A Cooperative and Factor Analytic Study.

Illinois Univ., Urbana-Champaign.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Jul70 56p.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; *VOCATIONAL AGRICULTURE; *EDUCATIONAL NEEDS; CURRICULUM DEVELOPMENT; *EMPLOYMENT QUALIFICATIONS; JOB SKILLS; JUNIOR COLLEGES; FACTOR ANALYSIS

ABSTRACT - Eight Illinois junior colleges cooperated with this study, which sought to provide information useful in planning agricultural supply programs to meet student needs. Questionnaires were mailed to instructors, employers, and students to determine the degree of consensus in rating various job skills. Similarities between the three groups show that the instructors

correctly perceive the needed knowledge and skills. Factor analysis produced meaningful clusters of items that could be used as either a grouping of instructional units or areas of a training plan to be prescribed for an individual student. (BH)

VT 012 505
Hull, William L.
Implementing Evaluation Findings.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 19p.Presentation made at a workshop on Evaluating Programs of Vocational Education (Lexington, Ky., Oct. 27, 1970).

DESCRIPTORS - *VOCATIONAL EDUCATION; EVALUATION; *PROGRAM EVALUATION; *PERCEPTION; *EDUCATIONAL CHANGE; COMMUNICATION PROBLEMS; *RESEARCH UTILIZATION; ADMINISTRATOR ROLE; BIAS; GUIDELINES

ABSTRACT - The incorporation of findings as a segment of the evaluation process can be enhanced or retarded by the disposition of the chief school administrator and the individual biases held by each of us. The implementation process contains stages of adoption which prescribe activities for installation. Individuals' perceptions of proposed changes dictate their reactions to them. Evaluation findings must be communicated to potential users in clear, purposeful language which emphasizes their relative advantages. This is necessary because systematic implementation of evaluation findings demands commitment of people to ideas and a belief in planned change as a viable alternative to existing programs. (Author/JS)

VT 012 507
A Report of the National Center for World-of-Work Economic Education Programs.

Henderson State Coll., Arkadelphia, Ark. M.H. Russell Center for Economic Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Sep70 5p.For the Annual Meeting of the Committee of Affiliated Council and Center Directors of the Joint Council on Economic Education (2nd).

DESCRIPTORS - *VOCATIONAL EDUCATION; INFORMATION DISSEMINATION; INFORMATION STORAGE; *EDUCATION SERVICE CENTERS; RESOURCE MATERIALS; RESEARCH; EDUCATIONAL RESEARCHERS; *PROGRAM DEVELOPMENT; *ECONOMICS; *LEADERSHIP RESPONSIBILITY; ANNUAL REPORTS

ABSTRACT - The role of the M.H. Russell Center for Economic Education is to provide nationwide leadership in seeing that economic education makes an appropriate response by preparing people for the world of work. This leadership consists of carrying out many of the traditional functions of the Center, but concentrating attention on world-of-work programs. Specific activities of the Center have included inservice training programs and the development and distribution of materials explaining the contribution that economic education can make to vocational education. The cooperation of other centers and councils is requested to assure that economic education plays its rightful role in world-of-work programs. (JS)

VT 012 508
Occupational Employment Statistics, 1960-67.

Bureau of Labor Statistics (DOL), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
Bulletin 1643
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (L2.3:1643, $.50).
PUB DATE - 70 46p.

DESCRIPTORS - *EMPLOYMENT STATISTICS; *EMPLOYMENT TRENDS; *OCCUPATIONAL SURVEYS; EMPLOYMENT PATTERNS; *NATIONAL SURVEYS; *LABOR FORCE

ABSTRACT - Data for the period 1960-1967 were compiled from a national sampling of employer reports, licensing statistics, professional society membership records, and household interviews. Eighteen tables present data tools on average employment by occupational groups, selected professional groups, industries, size of establishment, and government agencies. Two earlier editions of this report which together cover the period from 1947 to 1966 are available as ED 023 853, or VT 006 374 (ARM Summer 1969) and VT 006 692 (ARM Summer 1970). (BH)

VT 012 514
Gillie, Angelo C., And Others
Geographic-Job Mobility of the Pennsylvania State University Two-Year Technician Graduates.

Pennsylvania State Univ., University Park. Dept. of Vocational Education.
Pennsylvania State Dept. of Education, Harrisburg. Bureau of Vocational, Technical, and Continuing Education
MF AVAILABLE IN VT-ERIC SET.
Voc-Ind Ed RR
PUB DATE - Dec70 65p.

DESCRIPTORS - *OCCUPATIONAL MOBILITY; JOB ANALYSIS; *RELOCATION; *DRAFTSMEN; *ELECTRONIC TECHNICIANS; ASSOCIATE DEGREES; *GRADUATE SURVEYS; SALARIES; MULTIPLE REGRESSION ANALYSIS

ABSTRACT - This study of associate degree electronics and drafting design graduates identified mobility factors and job activity characteristics and analyzed the relationships between the variables. A stratified random sample of 33 percent of 6,200 graduates during the 1965-1969 period provided the data. A random sample of nonrespondents was used to verify that the respondents were representative of the entire population. Using zero-order correlations and multiple regression analysis, the study found six relationships between the job-residence

change variable and other mobility factors. The choice between types of work, whether related to data, people, or things, was found to be related in 15 combinations to the mobility factors. Significant differences were found between the electronics and drafting design graduates. (BH)

VT 012 515
Ward, William Gary
Process Evaluation of Vocational Education. Review and Synthesis of Selected "Research in Education" Documents January 1, 1968 to August 31, 1970.

Oklahoma Vocational Research Coordinating Unit, Stillwater.
MF AVAILABLE IN VT-ERIC SET.
RCU Report No. 12
PUB DATE - Dec70 31p.

DESCRIPTORS - *SYNTHESIS; *EVALUATION; *VOCATIONAL EDUCATION; *EDUCATIONAL RESEARCH; RESEARCH REVIEWS (PUBLICATIONS); SYSTEMS APPROACH; DECISION MAKING
IDENTIFIERS - PROCESS EVALUATION

ABSTRACT - Evaluation has become increasingly important in federally funded educational programs. The only concern in this report is the evaluation process as it relates to vocational education. From the original 71 documents concerned with process evaluation listed in "Research in Education" from January 1968 through August 1970, 24 were selected for review and synthesis. The primary purpose of this paper was to eliminate insignificant material and to include data that would be valuable for future process evaluation projects in vocational education. The findings indicate that an insufficient amount of "empirically hard" research is available on process evaluation, that most evaluation relies upon subjective rating scales, and that the current move is toward a systems approach. Recommendations for future studies on process evaluation, based on the findings, are included. (GEB)

VT 012 516
Exploring the World of Work, Grades 6-9.

North Carolina Committee on Occupational Exploration in the Public Schools.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Apr69 38p.

DESCRIPTORS - *VOCATIONAL EDUCATION; EDUCATIONAL NEEDS; *STUDENT NEEDS; *CAREER PLANNING; OCCUPATIONAL INFORMATION; *PROGRAM DEVELOPMENT; PROGRAM EVALUATION; *REPORTS; EDUCATIONAL STRATEGIES
IDENTIFIERS - *OCCUPATIONAL EXPLORATION

ABSTRACT - A 13-member committee was established in the fall of 1968 to investigate occupational exploration opportunities in junior high schools of North Carolina, determine the need for such a program, and find alternative approaches that might be used to satisfy this need. Revealed through the investigation was an overwhelming need for occupational exploration in the early grades. To meet this need an 11-point plan which calls attention to the components of this type program is proposed, including points such as the need for teachers to relate subject content more directly to occupations, providing more counseling-coordinating programs, and purchasing commercial materials and equipment. (JS)

VT 012 517 ED 048 468
Manpower Services to Minority Groups: A Desk Reference for ES Personnel.

Manpower Administration (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - ND 85p.

DESCRIPTORS - *MINORITY GROUPS; *EQUAL OPPORTUNITIES (JOBS); *FEDERAL PROGRAMS; *MANPOWER DEVELOPMENT; *PUBLIC POLICY; EMPLOYMENT OPPORTUNITIES; CIVIL RIGHTS; LEGISLATION; ADMINISTRATOR RESPONSIBILITY

ABSTRACT - This desk reference is designed to help Employment Service and other human resources personnel in providing manpower services to minority group members. While emphasizing the need for affirmative action with constant effort to improve training and employment opportunities for minorities, the document describes legal, economic, and cultural aspects of the problem and discusses possible solutions open to program staff. Expanded target audience selection, counseling, testing, training, placement, and job development are considered in this comprehensive guide for manpower personnel. (BH)

VT 012 525
Annual Evaluation Report.

Nevada State Vocational-Technical Education Advisory Council, Carson City.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Sep70 33p.

DESCRIPTORS - *STATE PROGRAMS; *VOCATIONAL EDUCATION; *PROGRAM EVALUATION; ADVISORY COMMITTEES; ANNUAL REPORTS
IDENTIFIERS - NEVADA

ABSTRACT - This first annual evaluation of Nevada's vocational programs covers current research projects, employers' knowledge of program offerings, and state and local plans for vocational education. Recommendations are made to improve administrative coordination, planning, curriculum coordination, consideration of minorities, ccoperation with private agencies, and occupaticnal emphasis. (BH)

VT 012 528
Occupational and Technical Education Needs of Business and Industrial Firms of the Big Horn Basin.

Northwest Community Coll., Powell, Wyo.
Student Personnel Services.

MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Oct68 52p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *EMPLOYMENT OPPORTUNITIES; *MANPOWER NEEDS; *PROGRAM EVALUATION; COMMUNITY COLLEGES; *OCCUPATIONAL SURVEYS; EDUCATIONAL NEEDS; EMPLOYERS; TECHNICAL EDUCATION

ABSTRACT - To help determine employer needs in relation to programs at Northwest Community College, a survey of business and industry was conducted. The survey revealed that employers in the area desire to hire persons with some postsecondary education and that there is a scarcity of qualified employees in the area. Specifically, there seems to be an increased need for qualified employees in the health field, the data processing field, the mechanics area, the general office worker area, and in the graphic arts area. Only eight of the 34 employees said that training needs were being met fairly or very well at this time. The programs that have been established at Northwest Community represent the needs in the area very well and tie in directly with nationwide needs for training programs. Therefore, these programs should be continued. (JS)

VT 012 534
Whypp, David A.
An Aviation Program--Getting it Off the Ground.

Aviation Distributors and Manufacturers' Association
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 7p.

DESCRIPTORS - *FLIGHT TRAINING; *HIGH SCHOOL STUDENTS; *COURSE DESCRIPTIONS; *PROGRAM GUIDES; HIGH SCHOOL CURRICULUM; INSTRUCTIONAL AIDS; TEACHER EDUCATION; PROGRAM DEVELOPMENT

ABSTRACT - This pamphlet provides guidelines for establishing a high school aviation course. Information is provided on program cost, instructir training, student requirements, program problems, and sources of materials. Although ownership of an airplane is not necessary, the program includes flying experience as well as ground school. (BH)

VT 012 536
New England Labor and the Economy at Year-End 1970. Regional Report Number 71-1.

Bureau of Labor Statistics (DOL), Washington, D.C. New England Regional Office.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 29p.

DESCRIPTORS - *EMPLOYMENT LEVEL; *ECONOMIC CLIMATE; ECONOMIC RESEARCH; EMPLOYMENT TRENDS; *COLLECTIVE BARGAINING; BUSINESS CYCLES; *MANPOWER NEEDS; LABOR FORCE
IDENTIFIERS - *NEW ENGLAND

ABSTRACT - With inflation slowing but still the second largest in 20 years, wages and prices hit record levels in New England at the end of 1970. Even though weekly earnings more than kept up with price rises, much greater increases resulting from large negotiated hourly wage increases were prevented by reductions in hours of work, as production and employment fell. Decreases in manufacturing employment were only partially offset by expanding employment in other industries, resulting in a net drop in employment in the region. (BH)

VT 012 538 ED 047 143
MALEY, DONALD
A NEW ROLE FOR INDUSTRIAL ARTS IN THE SENIOR HIGH SCHOOL.

AMERICAN VOCATIONAL ASSOCIATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 69 48P.PRESENTED AT THE NATIONAL CONVENTION OF THE AMERICAN VOCATIONAL ASSOCIATION (BOSTON, MASS., DEC. 1969)

DESCRIPTORS - CITIZEN PARTICIPATION; CITIZEN ROLE; *CITIZENSHIP; CURRICULUM DEVELOPMENT; DECISION MAKING; *EDUCATIONAL NEEDS; *INDUSTRIAL ARTS; INDUSTRIAL TECHNOLOGY; MODELS; PROBLEM SOLVING; PROGRAM DEVELOPMENT; *RESOURCE ALLOCATIONS; SECONDARY EDUCATION; SOCIAL PROBLEMS; SPEECHES; *TECHNOLOGY; VOCATIONAL EDUCATION

ABSTRACT - THE TIME HAS COME TC REEXAMINE THE ROLE OF INDUSTRIAL ARTS IN THE HIGH SCHOOLS. OUR SOCIETY IS NO LONGER IN THE INDUSTRIAL ERA BUT RATHER IN THE POST-INDUSTRIAL ERA WHICH IS CHARACTERIZED BY PRESSING SOCIAL PRCBLEMS. SOLUTIONS MUST BE FCUND FOR THE PROBLEMS OF POLLUTION, POWER GENERATION, HOUSING, TRANSPORTATION, COMMUNICATION, CONSERVATION, MORE EFFECTIVE RESOURCE UTILIZATION AND INDUSTRIAL PRODUCTIVITY. THE ROLE INDUSTRIAL ARTS CAN PLAY IN THESE AREAS OF CONCERN IS NOT ONE OF FINDING SOLUTIONS BUT RATHER ONE OF EDUCATING THE CITIZENRY TO BE AWARE OF THE IMPLICATIONS OF THESE PROBLEMS. THERE IS NO DOUBT ABOUT THE EXTENT OF OUR TECHNOLOGICAL KNOW-HOW; THE QUESTION IS HOW TO REDUCE THE EVER-WIDENING GAP BETWEEN THE TECHNOLOGIST AND THE GREAT MASSES OF PEOPLE WHO USE OR MUST MAKE DECISIONS ABOUT THE APPLICATION, ACCEPTANCE, OR REJECTION OF THE TECHNOLOGY. THIS PROPOSAL OUTLINES A SYSTEM OF STUDY FOR THE SENIOR HIGH SCHOOL THAT WILL EDUCATE CITIZENS TO MAKE INTELLIGENT DECISIONS CONCERNING THE FUTURE APPLICATION OF OUR GREAT WEALTH OF TECHNOLOGICAL KNOW-HOW. (AUTHOR/JS)

VT 012 540
Bender, Ralph E.
The 1970 Occupations of Recent Graduates of Vocational Agriculture in Ohio.

Ohio State Univ., Columbus. Dept. of Agricultural Education.
MF AVAILABLE IN VT-ERIC SET.
AGDEX 010/008
PUB DATE - Jan71 13p.

DESCRIPTORS - *GRADUATE SURVEYS; *VOCATIONAL

AGRICULTURE; *EMPLOYMENT TRENDS; AGRICULTURAL OCCUPATIONS; OCCUPATIONAL CHOICE; *VOCATIONAL FOLLOWUP; *HIGH SCHOOL GRADUATES; STATE SURVEYS
IDENTIFIERS - OHIO

ABSTRACT - This survey of 1,400 Ohio vocational agriculture graduates from the 1969 and 1965 classes revealed the employment experience of graduates 1 and 5 years after leaving school. When compared with the experience of the 1952-1965 classes after 5 years and the 1959-1969 classes after 1 year, the data show declining numbers of graduates entering farming, especially on other than their home farms, and increases in college and technical school enrollments by graduates. (BH)

VT 012 544 ED 048 470
Thomas, Virginia F.; Newman, Ann
Pilot Pattern for Home Management Instruction in Area Vocational School Curricula Based on Problems of Young Homemakers Employed Full-Time in Clerical and Sales Occupations. (Continuation of No. 28 and 51). Final Report.

Iowa State Univ. of Science and Technology, Ames. Dept. of Home Economics.
Iowa State Dept. of Public Instruction, Des Moines. Career Education Branch
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Jun70 25p.

DESCRIPTORS - *PILOT PROJECTS; HOME ECONOMICS EDUCATION; *HOME MANAGEMENT; MONEY MANAGEMENT; COMMUNITY COLLEGES; VOCATIONAL SCHOOLS; HIGH SCHOOLS; *CONSUMER EDUCATION; AUDIOVISUAL AIDS; *AUDIOVISUAL INSTRUCTION; *CORRESPONDENCE STUDY; MATERIAL DEVELOPMENT

ABSTRACT - A total of 107 students from a comprehensive vocational facility, a community college, and high school day and night classes participated in a 6-week pilot project to test curriculum materials and implement an instructional method consisting of nine audiovisual instructional packets on management supplemented by correspondence with a master teacher. Reactions obtained through interviews with the teachers and questionnaires administered to the students revealed that the teachers found the materials interesting, helpful, and most successful when used by small groups. About 30 percent of the students reported new knowledge about fixed and flexible expenses, budgeting, opportunity cost, work simplification, impulse buying, and interrelated expenses, while 26 percent reported new knowledge about human resources, goals, and values and 20 percent about standards and levels of living. It was recommended that the materials be used in other types of educational centers, continuous correspondence between master teacher and students be encouraged, and additional units incorporating on-the-job management tasks be created. Several project materials are appended. (SB)

VT 012 545
Health Careers Information Materials.

Health Careers of Ohio, Columbus.
DOCUMENT NOT AVAILABLE FROM EDRS.
Health Careers of Ohio, P.O. Box 5574, 1480 West Lane Avenue, Columbus, Ohio 43221.
PUB DATE - 70 202p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; *CAREER PLANNING; *CAREER OPPORTUNITIES; *OCCUPATIONAL INFORMATION; EMPLOYMENT OPPORTUNITIES; EDUCATIONAL OPPORTUNITIES; EDUCATIONAL PROGRAMS; CERTIFICATION

ABSTRACT - Developed by the Health Careers of Ohio in cooperation with the Ohio Regional Medical Programs, this packet contains brochures describing 32 health careers. Each brochure contains: (1) career description, (2) occupational outlook, (3) employment opportunities, (4) salaries, (5) advancement possibilities, (6) educational requirements, (7) registration or licensure, (8) financial assistance, (9) sources of additional information, and (10) addresses of Ohio schools offering training programs. (SB)

VT 012 548 ED 048 471
Myers, Robin
Black Craftsmen Through History.

Institute of the Joint Apprenticeship Program, Brooklyn, N.Y.
Ford Foundation, New York, N.Y.
DOCUMENT NOT AVAILABLE FROM EDRS.
The Institute of the Joint Apprenticeship Program, Workers Defense League, A. Philip Randolph Educational Fund, 1520 Bushwick Avenue, Brooklyn, N.Y. 11207
PUB DATE - ND 51p.

DESCRIPTORS - MANPOWER UTILIZATION; *NEGRO EMPLOYMENT; *NEGRO HISTORY; LABOR UNIONS; *AFRICAN HISTORY; APRENTICESHIPS; RACIAL DISCRIMINATION; NEGROES; SKILLED WORKERS
IDENTIFIERS - *CRAFTSMEN

ABSTRACT - This report traces the evolution of the black craftsmen from ancient Egypt to the present. Special attention is given to the restricted use of black craftsmen under slavery, and the added problems they faced after being freed. Business and union discrimination is described, along with recent government and private efforts to achieve equal opportunities for blacks. (BH)

VT 012 550
Parry, Mary Ellen; Mahoney, Margaret H.
Prediction of Job Performance for Negro and White Medical Technicians. Otto Analyzer: An Anchored Rating Scale's "Main Anchor."

Educational Testing Service, Princeton, N.J.
MF AVAILABLE IN VT-ERIC SET.
PR-70-16
PUB DATE - Oct70 15p.

DESCRIPTORS - *PERFORMANCE TESTS; TASK PERFORMANCE; *TEST INTERPRETATION; *MEDICAL LABORATORY ASSISTANTS; *RATING SCALES; EVALUATION TECHNIQUES; *APTITUDE TESTS; NEGRO

ACHIEVEMENT; CORRELATION

ABSTRACT - Despite the importance of rating scales in assessing job performance, their interpretation is made difficult by differences between raters and by "halo effects." Using ratings given to a fictitious person to weight different supervisors' aptitude and achievement test results without finding significant changes. The lack of improvement in correlation after adjustment was attributed to the addition of random variation in the adjustment process. Although the study did not improve correlation between ratings and test results, it did help in improving the supervisor's ability to determine important job skills and standards. (BH)

VT 012 551
Vocational-Technical Education in New Mexico. 1970 Annual Report.

New Mexico State Advisory Council for Vocational-Technical Education, Santa Fe.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 22p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *STATE PROGRAMS; ADVISORY COMMITTEES; ANNUAL REPORTS; *PROGRAM DESCRIPTION; EDUCATIONAL NEEDS; EDUCATIONAL TRENDS; EDUCATIONAL ADMINISTRATION
IDENTIFIERS - NEW MEXICO

ABSTRACT - This report describes the rapidly expanding New Mexico vocational education program, including background and future developments. In identifying problem areas requiring additional effort in the 1970's, the report lists 14 unmet educational needs, as described by businessmen, school administrators, counselors, and teachers. (BH)

VT 012 555 **ED 048 472**
Instructional Systems Study, Electronics Technology.

Waukesha County Technical Inst., Wis.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - 70 158p.

DESCRIPTORS - *VOCATIONAL EDUCATION; POST SECONDARY EDUCATION; *TEACHING METHODS; *TECHNICAL INSTITUTES; *SYSTEMS APPROACH; *ELECTRONICS; ELECTRONIC TECHNICIANS; INSTRUCTION; TECHNICAL EDUCATION; BEHAVIORAL OBJECTIVES; EDUCATIONAL OBJECTIVES

ABSTRACT - Because of shortcomings in the traditional approach to instruction and learning at Waukesha County Technical Institute in Wisconsin, this research was conducted to determine the effectiveness of an alternate approach to instruction in electronics technology. The "Closed Loop Systems Approach to Instruction" developed for this study was derived from the assimilation of the works and concepts of many professional vocational educators. In order to generate the data base to accomplish Phase I and II objectives, a survey instrument was developed and mailed to 287 electronics oriented firms in three large midwest metropolitan areas. In addition, seven personal interviews were conducted using the instrument as a medium for stimulating responses. Collected evidence demonstrates that the "Systems Approach" can: (1) identify the characteristics of employed electronic technicians, (2) identify tasks performed by OEtelcrovic technicians and determine educational requirements, (3) identify needed skills, (4) assess student mastery of specific skill, (5) identify the best techniques for accomplishing performance objectives, and (6) assure a relevant curriculum. Additional studies in other institutions are recommended. The survey instrument and data tables are included. (GB)

VT 012 557 **ED 050 252**
Jacks, Lloyd P.
Development and Use of Subject Matter Materials for Vocational Education in Agriculture.

Mississippi State Dept. of Education, Jackson. Div. of Vocational and Technical Education.
Mississippi State Univ., State College. Dept. of Agricultural Education.
Mississippi Research Coordinating Unit for Vocational-Technical Education, State College.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Oct67 47p.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INSTRUCTIONAL MATERIALS CENTERS; *INSTRUCTIONAL MATERIALS; *EVALUATION; PROGRAM EFFECTIVENESS; *VOCATIONAL AGRICULTURE TEACHERS; STATE SURVEYS; DATA COLLECTION; MATERIAL DEVELOPMENT; BIBLIOGRAPHIC CITATIONS
IDENTIFIERS - *MISSISSIPPI

ABSTRACT - To determine how the Subject Matter Service (SMS) of the Agricultural Education Department at Mississippi State University could more effectively meet the needs of vocational agriculture teachers, this study focused on three problems: (1) evaluation of materials developed by SMS, (2) determination of sources and uses of teaching materials, and (3) determination of teacher preferences for new subject matter materials. Utilizing the description method with the group-interview technique, the study obtained data from 266 experienced teachers. Several recommendations are presented which focus on visual aids, revision of materials, format changes, and teacher guides related to the subject matter references. Results of the study show that current activities are not meeting teacher needs. Consequently the SMS must be geared to keep abreast of the growing needs of teachers by expanding facilities and personnel. (GB)

VT 012 558 **ED 047 147**
LEE, JASPER SLOAN
VOCATIONAL EDUCATION INSTRUCTION SIMILARITIES IN CERTAIN CONTENT AREAS IN THE SECONDARY SCHOOLS.

DOCUMENT NOT AVAILABLE FROM EDRS.
UNIVERSITY MICROFILMS, INC., 300 NORTH ZEEB ROAD, ANN ARBOR, MICHIGAN 48106
PUB DATE - 70 261P.

DESCRIPTORS - CURRICULUM EVALUATION; DOCTORAL THESES; EDUCATIONAL RESEARCH; *JOB SKILLS; *SECONDARY EDUCATION; SKILL DEVELOPMENT; *TEACHING; VOCATIONAL EDUCATION; *VOCATIONAL EDUCATION TEACHERS

ABSTRACT - TO DETERMINE THE CONTENT AND SIMILARITY OF INSTRUCTION IN TEACHING SELECTED SKILLS, 282 SECONDARY VOCATIONAL EDUCATION TEACHERS IN MISSISSIPPI WERE ADMINISTERED AN INSTRUMENT COMPOSED OF 92 SKILLS NEEDED BY WORKERS TO PERFORM THEIR JOBS, AND THE TEACHERS INDICATED THE LEVEL OF PROFICIENCY THEY ATTEMPTED TO TEACH. THOUGH MANY TEACHERS WERE TEACHING A LARGE NUMBER OF THE SKILLS, THERE WAS RELATIVELY LITTLE SIMILARITY OF INSTRUCTION AMONG THE VOCATIONAL DISCIPLINES. FIFTEEN SKILLS WERE TAUGHT AT SIMILAR LEVELS BY TEACHERS OF TWO TO FOUR DISCIPLINES, AND MANY OF THE SKILLS INVOLVED INTERPERSONAL RELATIONS RATHER THAN MANIPULATIVE SKILLS. THE FEW SIMILARITIES OF INSTRUCTION TEND TO SUPPORT THE ESTABLISHMENT OF COMPREHENSIVE VOCATIONAL PROGRAMS. MAJOR RECOMMENDATIONS WERE: (1) ADMINISTRATIVE CHANGES IN VOCATIONAL COURSES SHOULD TAKE INTO CONSIDERATION THE SKILLS THAT ARE TAUGHT AND THE SIMILARITY OF THE INSTRUCTIONAL CONTENT; (2) INITIATION OF COURSES FOR THE PURPOSE OF TEACHING "SIMILARITIES" SHOULD BE DONE CAUTIOUSLY; AND (3) TEACHER EDUCATION CURRICULUMS SHOULD PREPARE TEACHERS TO TEACH THESE SKILLS AT RELATIVELY HIGH LEVELS OF PROFICIENCY. THIS ED.D. DISSERTATION WAS SUBMITTED TO THE UNIVERSITY OF ILLINOIS. (SB)

VT 012 559 ED 048 473
Blacks in the Construction Trades and Effect on Connecticut Economy.

Connecticut Univ., Storrs. Labor Education Center.
Connecticut Research Commission, Hartford
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Jun70 100p.

DESCRIPTORS - *NEGRO EMPLOYMENT; NEGROES; *BUILDING TRADES; *MANPOWER NEEDS; SKILLED WORKERS; CULTURALLY DISADVANTAGED; *APPRENTICESHIPS; EQUAL OPPORTUNITIES (JOBS); *EMPLOYMENT PROBLEMS; EMPLOYMENT STATISTICS; STATE SURVEYS

ABSTRACT - In this study of black employment in the building trades in Connecticut, a state-wide survey was made of workers, students, apprentices, project directors, public officials, and union and trade association officers. The survey showed that even with an increase of nearly 50 percent since 1960, blacks still represent less than 7 percent of all construction workers, and few of those are in skilled trades. This has continued despite increasing shortages of skilled labor for two reasons: (1) With few blacks now employed, there are few who can pass on job information to other blacks, and (2) Many blacks are culturally disadvantaged, lacking the necessary competency at mathematics and science. Although manpower shortages are expected to continue for the next decade, there is little possibility of increased black representation, at least for the next 5 years, because of the present shortage of blacks in the lengthy apprenticeship programs. (BH)

VT 012 560 ED 048 474
Steed, Allen Terry
Vocational Education Programs for Special Needs Students in Secondary Schools of Mississippi.

Mississippi Research Coordinating Unit for Vocational-Technical Education, State College.
EDRS PRICE MF-$0.65 HC-$3.29
ES-10-R-37
PUB DATE - Sep70 56p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *DISADVANTAGED YOUTH; *STATE PROGRAMS; *PROGRAM DESCRIPTIONS; EDUCATIONAL IMPROVEMENT; SECONDARY SCHOOLS; PROGRAM ATTITUDES; TEACHER ATTITUDES; ADMINISTRATOR ATTITUDES
IDENTIFIERS - MISSISSIPPI

ABSTRACT - The objectives of this study were to: (1) describe existing programs for special needs students, (2) provide information on students and teachers in these programs, (3) compare teacher and administrator appraisal of the programs, and (4) determine the degree of program acceptance by students, parents, and the public. Questionnaires and interviews revealed the views of teachers, administrators, and students in 46 Mississippi secondary schools offering special needs programs in vocational education. Self-appraisal of the programs disclosed several shortcomings: (1) lack of orientation programs, (2) inadequate preparation of administrators and teachers, (3) lack of participation by other teachers and guidance personnel, and (4) insufficient equipment and teaching materials. The report should provide vocational educators and administrators with information useful in the decision making process, resource allocation, program planning and implementation, and staff selection and training. (BH)

VT 012 568 ED 047 150
BRANDON, GEORGE L., ED.
RESEARCH VISIBILITY: VOCATIONAL EDUCATION RESEARCH.

AMERICAN VOCATIONAL ASSOCIATION, WASHINGTON, D.C.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH.
EDRS PRICE MF-$0.65 HC-$3.29
OEG-2-7-070633-3021 08
BR-7-0633
AMERICAN VOCATIONAL JOURNAL; V46 N1 P65-68 JAN 1971
PUB DATE - JAN 71 4P.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES;

BIBLIOGRAPHIES; CAREER PLANNING; CURRICULUM DEVELOPMENT; DISADVANTAGED GROUPS; *EDUCATIONAL RESEARCH; HANDICAPPED; HUMAN DEVELOPMENT; HUMAN RESOURCES; LABOR MARKET; LEADERSHIP TRAINING; MANPOWER DEVELOPMENT; OCCUPATIONAL GUIDANCE; OCCUPATIONAL MOBILITY; RESEARCH AND DEVELOPMENT CENTERS; *RESEARCH REVIEWS (PUBLICATIONS); TEACHING TECHNIQUES; *VOCATIONAL EDUCATION

ABSTRACT - THE 16 REVIEWS OF VOCATIONAL EDUCATION RESEARCH ARE ORGANIZED UNDER THESE TOPICS: (1) HUMAN POTENTIAL AND HUMAN RESOURCES, WHICH REPORTS A TEACHER INSTITUTE TO DEVELOP HUMAN POTENTIAL, A LEADERSHIP DEVELOPMENT STUDY, AND THE LABOR MARKET EXPERIENCE OF MEN AGED 45-59, (2) REPORTS OF VOC-TEC CENTERS, INCLUDING THE CENTER FOR OCCUPATIONAL EDUCATION OF NORTH CAROLINA STATE UNIVERSITY, THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION AT THE OHIO STATE UNIVERSITY, AND THE INDUSTRIAL RELATIONS RESEARCH INSTITUTE OF THE CENTER FOR STUDIES IN VOCATIONAL AND TECHNICAL EDUCATION AT THE UNIVERSITY OF WISCONSIN, (3) CAREERS AND NEW CAREERS, WHICH REPORTS BIBLIOGRAPHIES FOR HEALTH CAREERS AND CAREER DEVELOPMENT AND A STUDY OF THE LACK OF UPWARD MOBILITY FOR NEW CAREERISTS, (4) DISADVANTAGED ADULTS AND THE HANDICAPPED, WHICH REPORTS AN INSTITUTE AND A WORKSHOP DEALING WITH THE TRAINING OF PERSONNEL AND THE DISADVANTAGED-HANDICAPPED STUDENT, AND (5) REPORTS FROM THE UNIVERSITIES, INCLUDING UNIVERSITY OF MICHIGAN, OKLAHOMA STATE UNIVERSITY, WAYNE STATE UNIVERSITY, AND THE MINNESOTA RESEARCH COORDINATING UNIT. AVAILABILITY IS INCLUDED IN THE ABSTRACTS OF THE REPORTS. (SB)

VT 012 570
Wardle, Norval J.
Education for Safer Agriculture.

American Society for Agricultural Engineers, St. Joseph, Mich.
DOCUMENT NOT AVAILABLE FROM EDRS.
Paper No. 70-564
American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, Michigan 49085 ($1.00).
PUB DATE - 70 16p.For presentation at the 1970 Winter Meeting, American Society of Agricultural Engineers (Chicago, Ill., Dec. 8-11, 1970).

DESCRIPTORS - *AGRICULTURAL EDUCATION; *ENGINEERS; *AGRICULTURAL ENGINEERING; *ACCIDENT PREVENTION; *SAFETY EDUCATION; ACCIDENTS; FARMERS; MANUFACTURING INDUSTRY; EQUIPMENT MANUFACTURERS; INDUSTRIAL PERSONNEL; AGRICULTURAL SAFETY

ABSTRACT - To accomplish the proposed safety program of a 50 percent reduction of accidents of farm people by 1980, the problem must be attacked on a broad base considering the person, the environment, and the manufactured additive. Each division and committee of the American Society of Agricultural Engineers will develop appropriate materials for developing of safe skills of operation and use of machines, equipment, buildings, and other structures. The Safety Committee will encourage vigorous safety training for the future agricultural engineer and for all farmers and farm workers through all groups, companies, and organizations concerned. (Author/GB)

VT 012 571
Hoerner, Thomas A.; Peyton, Harold L.
Effectiveness of Skill Sheets and Demonstration Group Size for Instruction in Agricultural Mechanics.

American Society of Agricultural Engineers, St. Joseph, Mich.
DOCUMENT NOT AVAILABLE FROM EDRS.
Paper No. 70-560
American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, Michigan 49085 ($1.00).
PUB DATE - 70 34p.For presentation at the 1970 Winter Meeting, American Society of Agricultural Engineers (Chicago, Ill., Dec 8-11, 1970).

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *EDUCATIONAL RESEARCH; TRAINING TECHNIQUES; TEACHING METHODS; *TEACHING TECHNIQUES; *LABORATORY TECHNIQUES; SKILL DEVELOPMENT; AGRICULTURAL SKILLS; INSTRUCTIONAL MATERIALS; BIBLIOGRAPHIC CITATIONS

ABSTRACT - Procedure sheets and job plans have been used extensively as instructional techniques in the agricultural mechanics laboratory. A new type of laboratory instructional sheet, referred to as a skill sheet, is being used as a slightly different technique. Recent research reveals the value of the skill sheet in teaching laboratory type skills. This paper discusses the effectiveness of skill sheets and demonstration group size for instruction in agricultural mechanics. A bibliography and skill sheets are appended. (Author/GB)

VT 012 572
Bear, W. Forrest
Evaluation Sheets in Agricultural Mechanization Programs.

American Society of Agricultural Engineers, St. Joseph, Mich.
DOCUMENT NOT AVAILABLE FROM EDRS.
American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, Michigan 49085 ($1.00).
PUB DATE - 70 26p.For presentation at the 1970 Winter Meeting, American Society of Agricultural Engineers (Chicago, Ill., Dec 8-11, 1970)

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *ACADEMIC ACHIEVEMENT; EVALUATION METHODS; EVALUATION TECHNIQUES; *LESSON PLANS; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; *STUDENT EVALUATION

ABSTRACT - Evaluation is essential for effective educational programs. Evaluation to determine the student's prior knowledge and progress is needed before the course is taught. Students are frustrated if they

cannot distinguish lesson objectives and method of evaluation which will be employed. This paper on evaluation sheets in agricultural mechanization programs was presented by W. Forrest Bear at the 1970 Winter Meeting of the American Society of Agricultural Engineers. (Author/GB)

VT 012 573
Jacobs, Clinton O.
Effectiveness of Prepared Instructional Units to Teach the Principles of Internal Combustion Engine Operation and Maintenance.

American Society of Agricultural Engineers, St. Joseph, Mich.
DOCUMENT NOT AVAILABLE FROM EDRS.
Paper No. 70-558
American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, Michigan 49085 ($1.00).
PUB DATE - 70 34p.For presentation at the 1970 Winter Meeting, American Society of Agricultural Engineers (Chicago, Ill., Dec 8-11, 1970).

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *ENGINES; *EDUCATIONAL RESEARCH; *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; BIBLIOGRAPHIC CITATIONS; INSTRUCTIONAL MATERIALS; COURSE EVALUATION; AGRICULTURAL MACHINERY

ABSTRACT - Twelve instructional units were developed to teach the principles of internal combustion engine operation and maintenance using the small air-cooled engine as a teaching model. The units and physical equipment were tested in Arizona during the 1969-70 school year. Methods of procedure and interpretation of data are discussed. A list of student reference literature, a listing of tools and equipment, a test, and a bibliography are appended. (Author/GB)

VT 012 574
Carlson, Keith R.
Techniques for Evaluation of Skill Development in Agricultural Education.

American Society of Agricultural Engineers, St. Joseph, Mich.
DOCUMENT NOT AVAILABLE FROM EDRS.
Paper No. 70-557
American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, Michigan 49085 ($1.00).
PUB DATE - 70 5p.For presentation at the 1970 Winter Meeting, American Society of Agricultural Engineers (Chicago, Ill., Dec 8-11, 1970).

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; *SELF EVALUATION; HIGH SCHOOL STUDENTS; AGRICULTURAL SKILLS; *SKILL DEVELOPMENT; EVALUATION TECHNIQUES

ABSTRACT - Through the use of student contracts and self-evaluation, the ag-mechanics program of an Iowa high school has stressed worker traits. These traits are to deal effectively with others, organize resources, and work whole-heartedly. This paper on techniques for evaluation of skill development in agricultural mechanics was presented by Keith R. Carlson at the 1970 Winter Meeting of the American Society of Agricultural Engineers. (GB)

VT 012 575
Herum, Floyd L.
Evaluation Techniques in Agricultural Mechanization.

American Society of Agricultural Engineers, St. Joseph, Mich.
DOCUMENT NOT AVAILABLE FROM EDRS.
Paper No. 70-559
American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, Michigan 49085 ($1.00).
PUB DATE - 70 12p.For presentation at the 1970 Winter Meeting, American Society of Agricultural Engineers (Chicago, Ill., Dec 8-11, 1970).

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *EVALUATION TECHNIQUES; ITEM ANALYSIS; *ACADEMIC ACHIEVEMENT; EVALUATION METHODS; TESTS; *ACHIEVEMENT TESTS; TEST VALIDITY; TEST RELIABILITY; SPEECHES

ABSTRACT - The primary purpose of examinations is the measurement of student progress for assigning valid grades. Preparing a systematic program of testing involves a number of decisions regarding when to test, type and number of questions, what to emphasize and level of performance desired. Each examination should be subjected to continuous quality assessment during its planning and construction, as well as a review upon scoring when statistical data are available. Reliability of an exam may be described by a reliability coefficient, but validity is a matter of judgment and more difficult to ascertain. Item analysis is a useful technique for judging the quality of each test item. (CD)

VT 012 576 ED 050 253
Fact Sheet on the Earnings Gap.

Women's Bureau (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
Women's Bureau, Wage and Labor Standards Administration, U.S. Dept. of Labor, Washington, D.C. (no charge).
PUB DATE - Feb70 5p.

DESCRIPTORS - *SALARY DIFFERENTIALS; *SOCIAL DISCRIMINATION; *WORKING WOMEN; EQUAL OPPORTUNITIES (JOBS)

ABSTRACT - A comparison of median income since 1955 shows that the salary differential between men and women has increased in recent years. Although this is due primarily to the over-representation of women in low-skilled, low-paying jobs, even within the same occupations men are better paid. Salary comparisons for professional occupations show differentials by sex. (BH)

VT 012 579 ED 047 151
MICHIGAN RESEARCH COORDINATING UNIT FOR VOCATIONAL EDUCATION. FINAL REPORT, JULY 1, 1967-AUGUST 31, 1969.

MICHIGAN VOCATIONAL EDUCATION RESEARCH COORDINATING UNIT, LANSING.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH.
EDRS PRICE MF-$0.65 HC-$3.29
OEG-0-8-00804-1791(085) 08
BR-7-0804
PUB DATE - OCT 70 21P.

DESCRIPTORS - ACTIVITIES; EDUCATIONAL RESEARCH; *INFORMATION CENTERS; INSERVICE TEACHER EDUCATION; OBJECTIVES; PROGRAM DEVELOPMENT; *PROGRAM EVALUATION; *RESEARCH COORDINATING UNITS; *RESEARCH PROBLEMS; TEACHER EDUCATION; *VOCATIONAL EDUCATION
IDENTIFIERS - MICHIGAN

ABSTRACT - THE OVERALL PURPOSE OF THE MICHIGAN RESEARCH COORDINATING UNIT (RCU) IS TO STIMULATE RESEARCH AND DEVELOPMENT ACTIVITIES WITHIN THE STATE. THIS REPORT REVIEWS RCU ACTIVITIES IN THIS AREA DURING THE PERIOD JULY 1, 1967 TO AUGUST 31, 1969. PROBLEM AREAS INCLUDE STAFFING AND FUNDING. IN LIGHT OF ACCOMPLISHMENTS AND PROBLEMS, THE RCU HAS BEEN SUCCESSFUL AND SHOULD BE CONTINUED. (JS)

VT 012 585 ED 047 152
YOUNG, JAMES J.
FORMER SERVICEMEN OF THE ARMY MEDICAL DEPARTMENT; A PROFILE AND ASSESSMENT OF AN UNTAPPED RESOURCE OF ALLIED HEALTH MANPOWER. HEALTH CARE RESEARCH SERIES, NO. 14.

IOWA UNIV., IOWA CITY.
KELLOGG FOUNDATION, BATTLE CREEK, MICH.
DOCUMENT NOT AVAILABLE FROM EDRS.
GRADUATE PROGRAM IN HOSPITAL AND HEALTH ADMINISTRATION, THE UNIVERSITY OF IOWA, S-517, WESTLAWN BUILDING, IOWA CITY, IOWA 52240 ($5.00)
PUB DATE - 69 201P.

DESCRIPTORS - *DOCTORAL THESES; *ENLISTED MEN; *HEALTH OCCUPATIONS; LABOR FORCE; LABOR MARKET; *MANPOWER UTILIZATION; *MILITARY SERVICE; MILITARY TRAINING; OCCUPATIONAL CHOICE; *OCCUPATIONAL MOBILITY

ABSTRACT - TO PROVIDE A PROFILE OF THE HEALTH MANPOWER BEING SEPARATED FROM THE UNITED STATES ARMY MEDICAL DEPARTMENT, ANALYZE THE UTILIZATION OF THESE PERSONNEL BY THE CIVILIAN HEALTH COMMUNITY, AND EVALUATE THE OPINIONS OF THESE SERVICEMEN REGARDING THEIR ENTRY INTO THE CIVILIAN HEALTH FIELD, A RANDOM STRATIFIED (ON THE BASIS OF NUMBER OF WEEKS OF TRAINING) SAMPLE OF 2,825 FORMER ENLISTED MEDICAL SPECIALISTS WERE MAILED QUESTIONNAIRES. ANALYSIS OF 1,558 RESPONSES (58 PERCENT) REVEALED THAT THE ANNUAL FLOW OF TRAINED ENLISTED PERSONNEL TO THE CIVILIAN LABOR FORCE IS SIZEABLE, AND A SUBSTANTIAL PORTION OF THESE MEN ARE AMENABLE TO RECRUITMENT FOR CIVILIAN HEALTH CAREERS. OCCUPATIONAL TRANSFERABILITY FROM MILITARY TO CIVILIAN OCCUPATIONS OCCURS MOST FREQUENTLY FOR THOSE WHOSE MILITARY OCCUPATIONAL SPECIALTY HAS AN IDENTICAL CIVILIAN COUNTERPART AND WHOSE MILITARY EDUCATION AND EXPERIENCE IS RECOGNIZED FOR CERTIFICATION PURPOSES. SOME BARRIERS TO EMPLOYMENT IN CIVILIAN JOBS WERE INADEQUATE PAY AND FRINGE BENEFITS, FAILURE TO RECOGNIZE MILITARY TRAINING, AND LIMITED ADVANCEMENT OPPORTUNITY. THERE IS A NEED FOR EVALUATION AND RECOGNITION OF MILITARY TRAINING AND EXPERIENCE BY POTENTIAL EMPLOYERS, INSTITUTIONS, AND CERTIFYING ASSOCIATIONS. THIS PH.D. DISSERTATION WAS SUBMITTED TO THE UNIVERSITY OF IOWA. (SB)

VT 012 586 ED 048 475
Seasonality and Manpower in Construction.

Bureau of Labor Statistics (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Bull-1642
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (L2.3:1642, $1.25)
PUB DATE - 70 156p.

DESCRIPTORS - *CONSTRUCTION INDUSTRY; *EMPLOYMENT PROBLEMS; *SEASONAL EMPLOYMENT; OCCUPATIONAL MOBILITY; INCOME; *EMPLOYMENT STATISTICS; COLLECTIVE BARGAINING; *DEMOGRAPHY; UNEMPLOYMENT; WORKING HOURS

ABSTRACT - Using a variety of published and unpublished data, the Bureau of Labor Statistics identified the manpower problems confronting the construction industry. The purpose of the bulletin is to increase understanding about the problems confronting the industry, to present a basis for developing new policies and programs, and to encourage additional research in the field. To study employment fluctuations, over 80 data tables are provided on details of construction activities, worker mobility, income, weather conditions, and employment distributions by age, race, skill, occupation, and sex. One conclusion of the report is that wage differentials favoring construction workers are due to less favorable working conditions, specifically irregular employment, hazardous work, greater mobility requirements, and lower fringe benefits. (BH)

VT 012 587
Registered Apprentice Training Entry Requirements as Established by New York State Program Sponsors--1970 A Joint Report.

New York State Education Dept., Albany.
New York State Dept. of Labor, Albany. Div. of Employment.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 47p.

DESCRIPTORS - *OCCUPATIONAL INFORMATION; *ADMISSION CRITERIA; *APPRENTICESHIPS; *PROGRAM ADMINISTRATION; STANDARDS; RESIDENCE REQUIREMENTS; *QUALIFICATIONS; DEGREE REQUIREMENTS; VOCATIONAL EDUCATION; VOCATIONAL APTITUDE; VOCATIONAL COUNSELING; REPORTS

ABSTRACT - In summarizing minimum requirements and selection factors as established by sponsors of 483 registered apprenticeship programs, this document should prove valuable in the administration of programs as well as in the counseling of students. The report provides a compilation of entry requirements in the larger registered apprenticeship programs and provides information on such qualifications as age, citizenship, residency, education, aptitude, seniority, health, and criminal record. The data was extracted from those programs which enroll nearly three-fourths of the apprentices in (1) construction, (2) printing, (3) machine tool, (4) service and repairs, and (5) other manufacturing industries. (JS)

VT 012 590 ED 048 476
Lewis, James E.
Water-Resources Manpower: Supply and Demand Patterns to 1980. Bulletin 4.

Louisiana State Univ., Baton Rouge. Water Resources Research Inst.
Office of Water Resources Research (Dept. of Interior), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Louisiana State University Bookstore, Baton Rouge, Louisiana 70803 ($2.00)
PUB DATE - May70 56p.

DESCRIPTORS - *WATER RESOURCES; *MANPOWER NEEDS; *SCIENTIFIC PERSONNEL; *LABOR SUPPLY; *EMPLOYMENT PROJECTIONS; OCCUPATIONAL MOBILITY; PROFESSIONAL EDUCATION; PROFESSIONAL OCCUPATIONS

ABSTRACT - Relating the supply of scientific manpower to the educational potential of the general population and the productive capacity of the educational system, this study disaggregates independent projections of scientific manpower supply and demand to yield projections for water resources manpower. This supply of engineers, natural scientists, and social scientists is projected at 3.3 million for 1980, compared to a demand for 3.5 million. Supply and demand relationships for the 1970-1980 decade show a 10 percent deficit of social scientists. The supply of water resources manpower is projected to reach 154,000 by 1980, with 55,000 in research, compared with a demand for 267,000 with 95,000 needed in research. Critical shortages are forecast in several disciplines: ecology, hydrology, water resources planning, water quality, and watershed management. (Not available in hard copy due to marginal print size of original copy.) (BH)

VT 012 593
Gillie, Angelo C., Ed.
The Honolulu Conference on Community College Occupational Education.

Hawaii Univ., Honolulu. Community Coll. System.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Dec68 40p.

DESCRIPTORS - CONFERENCE REPORTS; *COMMUNITY COLLEGES; *STATE COLLEGES; *COLLEGE ADMINISTRATION; *STATE AID; *VOCATIONAL EDUCATION; EDUCATIONAL OPPORTUNITIES; COLLEGE ROLE; CURRICULUM DEVELOPMENT; CURRICULUM EVALUATION
IDENTIFIERS - HAWAII

ABSTRACT - At this 1-day conference on community colleges and vocational education, conferees discussed papers on the history and present status of vocational education and Hawaiian community colleges, after which national trends and their relation to the local picture were considered. After a discussion of the future role of research and evaluation, the conference concluded with a critique of the question-answer periods which followed the presentations. Papers were presented by Richard H. Kosaki, Samson S. Shiegetomi, Lewis R. Fibel, Angelo C. Gillie, and David R. Lynn, all of whom are community college administrators. (BH)

VT 012 602 ED 048 477
Manpower Research Projects Through June 30, 1970.

Manpower Administration (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$13.16
PUB DATE - 70 327p.

DESCRIPTORS - *LABOR ECONOMICS; *MANPOWER DEVELOPMENT; *RESEARCH PROJECTS; *FEDERAL AID; FEDERAL LAWS; LABOR MARKET; DOCTORAL THESES; RESEARCH PROPOSALS; *ECONOMIC RESEARCH
IDENTIFIERS - MANPOWER DEVELOPMENT AND TRAINING ACT; ECONOMIC OPPORTUNITY ACT; SOCIAL SECURITY ACT

ABSTRACT - This annual report summarizes all Manpower Administration-sponsored research projects active or funded during fiscal year 1970 and lists all reports completed since the research program was begun in fiscal year 1963. Guidelines are included for submission of research proposals for research contracts, dissertation grants, and research project grants. The relevant legislation, Title I of the Manpower Development and Training Act, is reproduced in the appendix. (BH)

VT 012 613
Macon, Charles R.
Four Corners Regional Project for Vocational Education in Arizona. Final Report.

Arizona State Dept. of Vocational Education, Phoenix.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Nov70 48p.

DESCRIPTORS - *REGIONAL PROGRAMS; *VOCATIONAL EDUCATION; STATE AID; *PROGRAM DESCRIPTIONS; CURRICULUM DEVELOPMENT; *ECONOMIC CLIMATE; POPULATION GROWTH; EMPLOYMENT TRENDS; *EDUCATIONAL NEEDS
IDENTIFIERS - ARIZONA

ABSTRACT - This 12-month project was undertaken to establish five area skill centers in the 9-county Four Corners Region of Arizona. These skill centers, which are basically extensions of the community colleges, can provide various types of vocational or basic education, including cooperative programs with local school districts or industry. This report describes the present educational and economic environment and summarizes the activities conducted under the project's two subdivisions, the organizational/promotional and systems development categories. (BH)

VT 012 616 ED 048 478
Darcy, Robert L.
Economics of Human Resources: A Bibliography.

Ohio Univ., Athens. Coll. of Business Administration.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Jan68 14p.

DESCRIPTORS - *HUMAN RESOURCES; *HUMAN CAPITAL; *COST EFFECTIVENESS; *BIBLIOGRAPHIES; *MANPOWER DEVELOPMENT; ECONOMIC PROGRESS; TECHNOLOGICAL ADVANCEMENT; LABOR ECONOMICS; PRODUCTIVITY

ABSTRACT - Without attempting to be comprehensive, this bibliography lists over 150 government documents, private publications, and journal articles on manpower and human resources, selected as representative works in the interdisciplinary field of human resources. Areas covered include: (1) general works, (2) investment in human capital, (3) cost-effectiveness of education, (4) economic growth, (5) manpower implications of education, (6) manpower programs and policies, (7) social welfare programs, (8) labor theory, and (9) technological change. (BH)

VT 012 617 ED 048 479
Patterns of U.S. Economic Growth, 1980 Projections of Final Demand, Interindustry Relationships, Output, Productivity, and Employment.

Bureau of Labor Statistics (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Bull-1672
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (L2.3: 1672, $1.25).
PUB DATE - 70 138p.

DESCRIPTORS - *EMPLOYMENT PROJECTIONS; *ECONOMIC RESEARCH; EMPLOYMENT OPPORTUNITIES; *ECONOMIC PROGRESS; *PRODUCTIVITY; LABOR FORCE; *INPUT OUTPUT ANALYSIS; INDUSTRIAL TECHNOLOGY; ECONOMIC CLIMATE

ABSTRACT - This report projects employment by industry for 1980, in order to provide a framework for an occupational outlook program. Included are detailed projections of the labor force, aggregate and industry demand, output, employment, and occupational projections. A 4.3 percent growth rate is projected for gross national product, reflecting an increased rate of growth of the labor force and employment, a decline in average hours, and a smaller rate of increase in productivity. An anticipated fall in federal spending and rise in state and local expenditures assumes a smaller defense budget and increased revenue sharing as the Viet Nam conflict ends. These projections are summarized in the "Monthly Labor Review," April 1970. Numerous data tables support the text. (BH)

VT 012 618 ED 049 361
Mitchell, E.F., And Others
A Comprehensive Orientation to the World of Work through Industrial Arts and Vocational Education (Grades 1-12).

Greenwood Public Schools, Miss.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Greenwood Public Schools, P.O. Box 1497, Greenwood, Mississippi 38930 ($3.00).
PUB DATE - Jul70 154p.

DESCRIPTORS - *INDUSTRIAL ARTS; *ELEMENTARY GRADES; *SECONDARY GRADES; *OCCUPATIONAL GUIDANCE; *CURRICULUM DEVELOPMENT; PROGRAM IMPROVEMENT; EDUCATIONAL INNOVATION; VOCATIONAL EDUCATION; INDUSTRY; COOPERATIVE EDUCATION; VOCATIONAL COUNSELING
IDENTIFIERS - WORLD OF WORK; *OCCUPATIONAL EXPLORATION

ABSTRACT - In response to the philosophy of vocational education outlined by the National Advisory Council, the Greenwood Public School Administration drew up this proposal for a new educational structure. Designed to prepare students for the world of work through a comprehensive orientation process involving practical arts, vocational education, and guidance, the program is justified by the cultural and economic deprivation, and the high dropout rate in Greenwood schools. The purpose of the elementary industrial arts phase is to introduce pupils to the world of work. Grades 7-8 provide students with exploratory experiences and are prevocational in nature, and the high school offers a complete vocational education program. A comprehensive study of modern industry and occupational orientation is provided for in Grade 9, followed by mechanical drawing in Grade 10. Vocational part-time cooperative education and vocational counseling are integral parts of the program. It is recommended that as much of the program be put into effect each year as qualified staff, facilities, and finances will allow. A detailed course sequence is provided in the appendixes. (GEB)

VT 012 620 ED 048 480
Marland, Sidney P., Jr.
Career Education Now.

EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Jan71 15p. Presentation at the National Association of Secondary School Principals (Houston, Tex., Jan 23, 1971).

DESCRIPTORS - *VOCATIONAL EDUCATION; *EDUCATIONAL RESPONSIBILITY; *EDUCATIONAL NEEDS; *EDUCATIONAL CHANGE; EDUCATIONAL COORDINATION; EDUCATIONAL ATTITUDES; SCHOOL ROLE; *EDUCATIONAL OBJECTIVES; TECHNOLOGICAL ADVANCEMENT; ECONOMIC PROGRESS; MANPOWER NEEDS
IDENTIFIERS - *CAREER EDUCATION

ABSTRACT - Despite a growing role for vocational education as technological change causes skill requirements to rise, society continues to treat vocational education as inferior to academic education. In a broad sense, all education is career education, providing the skills necessary to live. Until all forms of education can be integrated in a comprehensive program of career development, an interim strategy involves four major actions: (1) redirecting federal support toward state programs for high demand occupations, (2) providing broader programs to improve flexibility of career choice, (3) improving coordination with business and organized labor, and (4) increasing support for career education at all levels. (BH)

VT 012 622
Indigenous Manpower for Social Planning. Report of a Work Conference (May 1, 1970).

Human Services Manpower Career Center, Chicago, Ill.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 38p.

DESCRIPTORS - *SOCIAL PLANNING; *URBAN SLUMS; *CITIZEN PARTICIPATION; *CAREER OPPORTUNITIES; CONFERENCE REPORTS; COMMUNITY INVOLVEMENT; CULTURALLY DISADVANTAGED; MANPOWER UTILIAZTION; *OCCUPATIONAL MOBILITY
IDENTIFIERS - *CHICAGO MODEL CITIES PROGRAM

ABSTRACT - In response to a growing interest among Chicago social planning agencies, this conference was held to explore the manpower implications and potential of the Model Cities Program and its pilot project to train 16 indigenous social planners from the four target neighborhoods. Emerging from the conference were several general conclusions: (1) Total commitment is necessary for full citizen participation in social planning, (2) Flexibility and coordination between agencies are necessary in defining job functions and selection criteria, (3) Firm job commitments must be made for successful trainees, and (4) Graduates should be given certificates acknowledging program completion. (BH)

VT 012 623
Mental Health Worker Career Series.

Illinois State Dept. of Mental Health, Springfield.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Apr70 30p.

DESCRIPTORS - *HEALTH OCCUPATIONS; *MENTAL HEALTH; *OCCUPATIONAL MOBILITY; SUBPROFESSIONALS; PROFESSIONAL PERSONNEL; *EDUCATIONAL PROGRAMS; JOB TRAINING; WORK EXPERIENCE; PROMOTION (OCCUPATIONAL); ABILITY; OCCUPATIONAL INFORMATION
IDENTIFIERS - *CAREER LADDERS

ABSTRACT - The Illinois Department of Mental Health prepared this career series to provide a generalist approach to manpower and program organization and to provide a progressive path to top career positions through a system of training, work experience, and demonstrated ability. The series consists of nine mental health worker classes, each differing in the nature of the work and worker qualifications. Four entry level training sets have been established which allow the trainee, upon successful completion of the training program, to enter a specific mental health worker class. Trainees enter one of the 6-month training programs, which consist of clinical and didactic experiences, appropriate to their academic and inservice training background and relevant mental health work. The training program is described, and policy guidelines for the series are provided. A chart illustrating the pay grades and trainee qualifications for each class is appended. (SB)

VT 012 628
Self Evaluation.

Clemson Univ., S.C. Vocational Education Media Center.
South Carolina State Dept. of Education, Columbia. Distributive Education Section.
MF AVAILABLE IN VT-ERIC SET.
Distributive Education Section, Office of Vocational Education, State Department of Education, Rutledge Building, Columbia, S.C. 29201 (limit: one per state).
PUB DATE - 70 27p.

DESCRIPTORS - *DISTRIBUTIVE EDUCATION; *PROGRAM EVALUATION; *INSTRUCTOR COORDINATORS; *MEASUREMENT INSTRUMENTS; *SELF EVALUATION; ORGANIZATION; FACILITIES; TEACHER EVALUATION; INSTRUCTIONAL MATERIALS

ABSTRACT - This evaluative instrument is to be used by the teacher-coordinator in making a self-evaluation of his school's distributive education program. The format of the instrument is a series of checklists on: (1) Organization, (2) Nature of Offerings, (3) Physical Facilities, (4) Direction of Learning, (5) Outcomes, and (6) Special Characteristics of Distributive Education. These checklists incorporate a four-point scale and include explanations to help the evaluator make a more valid analysis of the program. (Author/JS)

VT 012 640
Potts, Frank
Jobs in the Plastics Industry. Series 1100-6-70.

Wisconsin State Employment Service, Madison. Occupational Analysis Field Center.
MF AVAILABLE IN VT-ERIC SET.
WSES 3169
PUB DATE - 70 42p.

DESCRIPTORS - *PLASTICS; *OCCUPATIONAL INFORMATION; *MANPOWER NEEDS; EMPLOYMENT PROJECTIONS; *EMPLOYMENT QUALIFICATIONS; TECHNOLOGICAL ADVANCEMENT; EMPLOYMENT OPPORTUNITIES

ABSTRACT - To provide job information useful in career selection, this publication describes the processes used in the plastics industry and the occupations and job skills required for these operations. Increasing manpower shortages are projected for the next 5 years, based on estimations of rapidly growing production. (BH)

VT 012 641
Collected Papers Prepared Under Work Unit REPAIR: Training of Electronics Maintenance Personnel. Professional Paper 27-70.

Human Resources Research Organization, Alexandria, Va.
Department of the Army, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Mar70 41p.

DESCRIPTORS - *MILITARY PERSONNEL; TRADE AND INDUSTRIAL EDUCATION; *EQUIPMENT MAINTENANCE; TELEVISION REPAIRMEN; *COMMUNICATIONS; VOCATIONAL DEVELOPMENT; EXPERIMENTAL PROGRAMS; COURSE EVALUATION; MILITARY TRAINING; FOLLOWUP STUDIES; ELECTRONIC TECHNICIANS

ABSTRACT - During the years 1957-1960, research was conducted at Alexandria, Virginia by the Human Resources Research Organization regarding the individual maintenance jobs for Army Field Radio Repairmen. The purpose was to collect data that would be valuable in constructing evaluations of the men, and in designing experimental training courses. The articles presented in this document include two presentations at professional meetings and two briefings concerning the development and evaluation of training courses. The articles are: (1) The Implementation of Functional Context Training in a Radio Repairman Course, (2) A Follow-Up Study of Experimentally Trained and Conventionally Trained Field Radio Repairmen, (3) The Development and Evaluation of the Experimental Field Radio Repairman Course, and (4) Comparison of Experimental and Standard Course Graduates after Field Experience. (GEB)

VT 012 643 **ED 047 160**
MCLEAN, GARY N.
DIFFICULTY INDICES AND PERFORMANCE NORMS FOR OFFICE-TYPING TASKS. FINAL REPORT.

CITY UNIV. OF NEW YORK, N.Y. DIV. OF TEACHER EDUCATION.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH.
EDRS PRICE MF-$0.65 HC-$6.58
OEG-2-9-420113-1003(010) 24
BR-8-B-113
PUB DATE - JAN 71 142P.

DESCRIPTORS - *BUSINESS EDUCATION; DECISION MAKING SKILLS; DOCTORAL THESES; *GROUP NORMS; *MEASUREMENT TECHNIQUES; OFFICE OCCUPATIONS EDUCATION; RELEVANCE (EDUCATION); STANDARDS; STUDENT EVALUATION; *TASK PERFORMANCE; *TYPEWRITING

ABSTRACT - TO HELP ESTABLISH WELL-DEFINED STANDARDS AND NORMS FOR PROFICIENCY AT REALISTIC TYPING TASKS, THIS INVESTIGATION SOUGHT TO ESTABLISH DIFFICULTY INDEXES FOR THREE MAJOR CLASSES OF SUCH TASKS AND TO PROVIDE AN INITIAL POOL OF NORMATIVE DATA FOR THE DEVELOPMENT OF THE DIFFICULTY INDEXES. TO GATHER THE NEEDED DATA, VARIOUS SUBSETS OF EIGHT TASKS FROM A BATTERY OF 64 TYPING TASKS WERE ADMINISTERED TO 3,134 TYPISTS. THIS DATA, IN TURN, PROVIDED EQUATIONS FOR ESTIMATING THE DIFFICULTY OF OFFICE-TYPING TASKS AND FOR CONSTRUCTING TYPING TASKS AT SPECIFIED LEVELS OF DIFFICULTY. THE DIFFICULTY INDEXES RESULTING FROM THE EQUATIONS PERMIT THE EVENTUAL ESTABLISHMENT OF STANDARDS AND NORMS FOR TRAINEES AND JOB-APPLICANTS. IT WAS DISCOVERED THAT THE CORRELATIONAL DATA ON INTELLIGENCE IN RELATION TO TYPING PROFICIENCY SUPPORT THE STANDARD PRACTICE OF OFFERING BEGINNING TYPEWRITING TO ALL PERSONS, BUT LEAVE UNCERTAIN THE PROPRIETY OF OFFERING ADVANCED INSTRUCTION TO LOW ABILITY STUDENTS. FINALLY, LOW RELATIONSHIPS BETWEEN STRAIGHT COPY AND OFFICE-TYPING PROFICIENCY CONFIRM THE DESIRABILITY OF REDUCING THE CONVENTIONAL HEAVY FOCUS ON ORDINARY STROKING SKILLS AND OF INCREASING ATTENTION TO REALISTIC OFFICE-TYPING TASKS. DECISION PROCESSES APPLICABLE TO THE LAYOUT OF SUCH TASKS ON THE PAGE SHOULD ALSO BE EMPHASIZED. (AUTHOR/JS)

VT 012 647 ED 050 254
Krebs, A.H.
Model for Evaluation of Secondary School Programs of Vocational Education in Agriculture.

Maryland Univ., College Park. Agricultural Experiment Station.
EDRS PRICE MF-$0.65 HC-$3.29
Misc-Pub-733
Maryland Agricultural Experiment Station, University of Maryland, College Park, Maryland 20742.
PUB DATE - Oct69 70p.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *PROGRAM EVALUATION; *MODELS; *SECONDARY SCHOOLS; SECONDARY GRADES; BIBLIOGRAPHIC CITATIONS; EVALUATION TECHNIQUES; DATA COLLECTION; EVALUATION METHODS

ABSTRACT - This research project focused on the development of instruments and procedures which a local secondary school evaluating group may use for conducting its own evaluation of the local program of vocational education in agriculture. The report covers Phase I of a four-phase project and presents the development and trial of instruments and procedures in two Maryland public high schools. Twenty-five instruments and guides are presented with suggestions for their use as well as suggestions regarding the treatment of the data. Further testing and refinement of the instruments and procedures

are scheduled for later phases of the project. A bibliography is appended. (Author/GB)

VT 012 650
Carpenter, M.B.
Maintaining Efficient Training Programs for Air Force Technical Specialties.

Rand Corp., Santa Monica, Calif.
Department of the Air Force, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
R-527-PR
The Rand Corporation, 1700 Main Street, Santa Monica, California 90406 ($3.00).
PUB DATE - Sep70 79p.

DESCRIPTORS - *MILITARY TRAINING; *ENLISTED MEN; EDUCATIONAL NEEDS; *RESEARCH NEEDS; EDUCATIONAL CHANGE; *COST EFFECTIVENESS; EDUCATIONAL IMPROVEMENT; *TASK ANALYSIS; OCCUPATIONAL INFORMATION

ABSTRACT - This report identifies problems and shortcomings in Air Force training of technical specialists and suggests improvements. Suggestions include: (1) Translate the Job Inventory into training programs, (2) Use maintenance personnel data to determine what tasks are really done by whom, (3) Monitor courses for needed deletions and additions, (4) Pretest to prevent unneeded training, (5) Make courses practical rather than theoretical, (6) Teach the practical rules difficult to find in books, (7) Interview new instructors fresh from the field to find out what they actually did and what training is needed, (8) Use cost-effectiveness to determine training modes rationally, (9) Modify upgrading policies to allow some specialists to advance without supervising others, and (10) Have 3-level men master some tasks. Sample documents of pneudraulics training are appended. (Author/BH)

VT 012 651 ED 048 481
Anderson, Del
A Guide for the Development and Installation of Occupational Training Programs and Services for Disadvantaged and Handicapped Persons.

West Virginia Research Coordinating Unit for Vocational Education, Huntington.
West Virginia State Dept. of Education, Charleston. Div. of Vocational and Technical Education.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - May70 43p.

DESCRIPTORS - *PROGRAM GUIDES; *HANDICAPPED; *VOCATIONAL EDUCATION; *CULTURALLY DISADVANTAGED; *PROGRAM DESIGN; PROGRAM DEVELOPMENT; PROGRAM ADMINISTRATION; ORGANIZATION

ABSTRACT - This report describes the procedures necessary to develop a vocational education program to prepare the physically handicapped and culturally disadvantaged for entry level jobs and responsible citizenship. The 2-part model program includes a regular vocational program with supportive services for handicapped and disadvantaged students, and a separate program for those who cannot compete in the regular program even with supportive services. The separate program provides for entry into either a work-experience program or a regular vocational program after learning the basic knowledge and skills for an occupational cluster. In addition to describing administration and organization, the report discusses special qualifications required for faculty, curriculum, and facilities. (BH)

VT 012 653
Summary 1969-1970.

Northern California Industry-Education Council, San Francisco.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 19p.

DESCRIPTORS - *SCHOOL INDUSTRY RELATIONSHIP; *EDUCATIONAL IMPROVEMENT; DEVELOPMENTAL PROGRAMS; PROGRAM DESCRIPTIONS; *VOLUNTARY AGENCIES; *INDUSTRY
IDENTIFIERS - *CALIFORNIA

ABSTRACT - The Northern California Industry-Education Council is a non-profit organization which provides a meeting ground for educators, businessmen, and private citizens to discuss their common problems regarding the educational system. This pamphlet describes the Council's activities and lists the supporting businesses and school systems and the office and directors for 1969-70. (BH)

VT 012 658 ED 048 482
Bailey, Lena C.
Review and Synthesis of Research and Consumer and Homemaking Eduction. Information Series No. 33.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210.
PUB DATE - Apr71 79p.

DESCRIPTORS - *CONSUMER EDUCATION; HOME ECONOMICS EDUCATION; *HOMEMAKING EDUCATION; *RESEARCH REVIEWS (PUBLICATIONS); *BIBLIOGRAPHIES; *RESEARCH NEEDS; EDUCATIONAL RESEARCH; DISADVANTAGED GROUPS; RESEARCH METHODOLOGY; TEACHER EDUCATION; MATERIAL DEVELOPMENT; INSTRUCTIONAL MATERIALS; EDUCATIONAL DEVELOPMENT; TEACHING METHODS; TEACHING TECHNIQUES

ABSTRACT - The 110 research reports, papers, and other references written primarily during 1966-69 were reviewed under these categories: (1) Consumer Education, (2) Disadvantaged, (3) Homemaking, (4) Teacher Education, and (5) Research Methodology. Reasons for the lack of consumer education research may be that the renewed emphasis has taken place in the past two years and this component is

interwoven into various home economics subject matter areas so that it is not readily available. The review indicated that it is possible to develop and implement programs that benefit the disadvantaged, but many of the disadvantaged studies should be replicated to increase the validity of results and to mase additional recommendations. Additional research needed in the homemaking program area includes the development of new methods of teaching, innovative instructional materials, evaluation techniques, model programs, the affective domain, and process of learning, while areas of teacher education needing further research include problems related to recruitment, counseling students, adaptation of modern technological devices, and ongoing research of programs, teachers, and materials. Related documents are available as ED 039 336 (VT 010 860, ARM Fall 1970) and ED 043 773 (VT 011 879, ARM Spring 1971). (SB)

VT 012 659 ED 047 161
LEE, ALLEN
IMPROVEMENT AND DEVELOPMENT OF THE ORGANIZATION AND ADMINISTRATION OF VOCATIONAL-TECHNICAL EDUCATION. FINAL REPORT.

OREGON STATE SYSTEM OF HIGHER EDUCATION, MONMOUTH. TEACHING RESEARCH DIV.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH.
EDRS PRICE MF-$0.65 HC-$23.03
OEG-98-071327-0085(085) 08
BR-7-1327
PUB DATE - NOV 70 677P.

DESCRIPTORS - *EDUCATIONAL ADMINISTRATION; *EDUCATIONAL DEVELOPMENT; *EDUCATIONAL IMPROVEMENT; EDUCATIONAL QUALITY; EDUCATIONAL RESEARCH; *EVALUATION CRITERIA; EVALUATION NEEDS; GUIDELINES; ORGANIZATIONAL CHANGE; PROGRAM EVALUATION; *VOCATIONAL EDUCATION

ABSTRACT - TO HELP SOLVE THE ORGANIZATIONAL AND ADMINISTRATIVE PROBLEMS PREVENTING THE EDUCATIONAL SYSTEM FROM FULLY MEETING SOCIETY'S PRESENT AND FUTURE NEEDS, THIS PROJECT SOUGHT TO: (1) ANALYZE THE SYSTEM'S STRENGTHS AND WEAKNESSES, (2) DEVELOP TENTATIVE GUIDELINES FOR REORGANIZATION OF 16 STATE VOCATIONAL EDUCATION SYSTEMS, AND (3) FIELD TEST AN EVALUATION INSTRUMENT FOR USE BY STATE AGENCIES. AN ORGANIZATIONAL STRUCTURE COMPILED FOR 21 STATES WITH QUESTIONNAIRE DATA FROM STATE EDUCATION AGENCY OFFICIALS WAS SUPPLEMENTED BY GROUP INTERVIEWS WITH A CROSS SECTION OF PROFESSIONAL AND LAY PERSONS IN 16 STATES TO IDENTIFY PROBLEM AREAS AND POSSIBLE SOLUTIONS. FIELD TESTING OF THE EVALUATION INSTRUMENT IN FIVE STATES DEMONSTRATED THE URGENT NEED FOR EVALUATION. ALTHOUGH EVALUATION CAN BE EFFECTIVE IN SEVERAL FORMS, THIS REVISION OF AN EARLIER FORMAT AND CRITERIA USED IN PENNSYLVANIA WAS SUPERIOR IN EFFECTIVENESS AND NATIONWIDE APPLICABILITY. (BH)

VT 012 663
Rules and Regulations Governing Ambulance Service. Minimum Standards of Safety, Sanitation, Equipment, and Training.

North Carolina State Board of Health, Raleigh. Div. of Epidemiolo gy.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 67 13p.

DESCRIPTORS - *STATE STANDARDS; SANITATION; SAFETY; TRAINING; EQUIPMENT; *STATE LAWS; *EMERGENCY SQUAD PERSONNEL; EQUIPMENT UTILIZATION
IDENTIFIERS - NORTH CAROLINA STATE BOARD OF HEALTH; AMBULANCE SERVICE

ABSTRACT - Ambulance services in the state of North Carolina must comply with the minimum standards set forth by the general statutes. The sections cover: (1) Definitions, (2) Permits, both operation and ambulance, (3) Standards for Ambulance Permits, (4) Ambulance Equipment, (5) Sanitation Standards for Ambulances, (6) Requirements for Ambulance Attendants, and (7) Effective Date. (GEB)

VT 012 664 ED 048 483
Wang, Virginia L.; Rogolsky, Saul
Rehabilitation Work with the Blind; Role of the Helping Professional in Creating a Family Team.

Maryland Univ., College Park. Cooperative Extension Service.
EDRS PRICE MF-$0.65 HC-$3.29
MEP-290
Cooperative Extension Service, University of Maryland, College Park, Md., ($.20).
PUB DATE - Aug70 21p.

DESCRIPTORS - *VOCATIONAL REHABILITATION; *BLIND; TEACHING GUIDES; *TEACHER ROLE; REHABILITATION PROGRAMS; PROGRAM DEVELOPMENT; *FAMILY INVOLVEMENT; *ADJUSTMENT PROBLEMS

ABSTRACT - Before technical assistance can be fully successful in helping the newly blind to adjust, the rehabilitation teacher must understand the inevitable identity crisis which his client suffers and try to establish a meaningful relationship with him. This report considers seven aspects of the rehabilitation process: (1) definition of the teacher's role, (2) development of a good relationship with the entire household, (3) general appraisal of the blind person and his family, (4) creation of a family team for rehabilitation, (5) development of a rehabilitation program, (6) motivation of the person, and (7) implementation of the program. Teaching outlines for: (1) Food Preparation, (2) Meal Planning, (3) Food Buying and Storage, (4) Home Management, and (5) Clothing and Textiles are appended. (BH)

VT 012 665 ED 048 484
DeVore, Paul W., Ed.; Smith, Wil J., Ed.
Education in a Technological Society.

West Virginia Univ., Morgantown.
EDRS PRICE MF-$0.65 HC-$6.58
Office of Research and Development, Appalachian Center, West Virginia 26506 (Single copies available).

PUB DATE - Dec70 102p. Papers presented at the Conference on Education in a Technological Society (West Virginia Univ., May 4-6, 1969).

DESCRIPTORS - *TECHNOLOGICAL ADVANCEMENT; *EDUCATIONAL NEEDS; *SCHOOL ROLE; CONFERENCE REPORTS; *EDUCATIONAL RESPONSIBILITY; CITIZEN ROLE; *ADJUSTMENT (TO ENVIRONMENT); CITIZEN PARTICIPATION; HUMAN RESOURCES

ABSTRACT - Technological change places increased responsibility on the educational system of a democratic society to prepare citizens for intelligent participation in government. This conference was held to analyze the nature of the technological society and the role of education in preparing the individual for membership in that society. The papers presented include: (1) "Technology and Social Purpose" by Juergen Schmandt, (2) "The Future of Man in a Technological Society" by James H. Straubel, (3) "Technology and Change: Educational Imperatives--Technology is Our Own Thing" by Daniel V. DeSimone, (4) "Technology, Education and Society" by Walter Lowen, and (5) "Education, Technology and Human Values" by Edward Layton. (BH)

VT 012 669 ED 050 255
Section Report on Dental Assistant. An Exploratory Study to Analyze New Skill Content in Selected Occupations in Michigan and the Mechanism for its Translation into Vocational Education Curricula.

Battelle Memorial Inst., Columbus, Ohio.
Department of Labor, Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - ND 56p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; *DENTAL ASSISTANTS; *CURRICULUM EVALUATION; *JOB TRAINING; *PROGRAM EVALUATION; JOB SKILLS; EDUCATIONAL RESEARCH; BIBLIOGRAPHIES; HIGH SCHOOL CURRICULUM; EMPLOYEE RESPONSIBILITY

ABSTRACT - A survey was made of the dental departments in two hospitals, two public dental out-patient clinics, and seven private practicing dentists to identify the tasks performed by the dental assistant and evaluate the existing dental assistant curriculum in Detroit schools. Analysis of data revealed that many of the dental assistants learned their skills on the job and in many instances were used as receptionist, care taker, errand girl, or personal secretary rather than in dental activities. To the employers, performance of laboratory procedures was not considered appropriate for the assistant. The employers also rated eight assistant functions according to whether they should be taught in high school or on the job, and these ratings were used when evaluating the curriculum. Examination of the existing curriculum resulted in recommendations for specifying program objectives, selection of students, course content, training facilities, clinical experience, and program evaluation. Survey data tables, a listing of equipment and supplies, and bibliography of reference books and films are appended. (SB)

VT 012 671 ED 050 256
Section Report on Licensed Practical Nurse. An Exploratory Study to Analyze New Skill Content in Selected Occupations in Michigan and the Mechanism for Its Translation into Vocational Education Curricula.

Battelle Memorial Inst., Columbus, Ohio.
Department of Labor, Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - ND 51p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; *PRACTICAL NURSING; *GUIDELINES; *PROGRAM DEVELOPMENT; *EMPLOYMENT QUALIFICATIONS; CURRICULUM DEVELOPMENT; JOB SKILLS; JOB TRAINING; HIGH SCHOOL CURRICULUM; ENTRY WORKERS; EMPLOYEE RESPONSIBILITY

ABSTRACT - To develop a high school practical nursing curriculum, a survey was made of six hospitals, four nursing homes, and one public health agency to investigate current and expected content of the occupation and to determine attributes and personal characteristics employers look for in practical nurses. Analysis of data revealed that employers assess entry-level practical nurses in terms of amount of education, job skills, and personal qualifications. The employers also rated 11 groups of tasks according to the desirability, importance, prior knowledge, and frequency of the tasks. On the basis of data from employers, guidelines were suggested for developing practical nursing programs, including general program characteristics, data to obtain prior to establishing a program, program organization, student selection, curriculum, and facilities and policies from cooperating agencies. Survey data tables and sources of information are appended. (SB)

VT 012 675
Training and Technology: Annual Summary. Experimentation and Demonstration Program Activities January 1, 1970 through December 31, 1970.

Oak Ridge Associated Universities, Tenn.
Union Carbide Corp., Oak Ridge, Tenn. Nuclear Div.
Tennessee Univ., Knoxville.
Atomic Energy Commission, Oak Ridge, Tenn.
Department of Labor, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Jan71 28p.

DESCRIPTORS - *ADULT VOCATIONAL EDUCATION; SKILL CENTERS; *CULTURALLY DISADVANTAGED; *FEDERAL PROGRAMS; *INTERAGENCY COOPERATION; ANNUAL REPORTS; *UNEMPLOYED; SCHOOL INDUSTRY RELATIONSHIP; PROGRAM DESCRIPTIONS; DEMONSTRATION PROJECTS; MANPOWER NEEDS IDENTIFIERS - *MANPOWER DEVELOPMENT AND TRAINING ACT PROGRAMS; MDTA PROGRAMS; TRAINING AND TECHNOLOGY; TAT

ABSTRACT - Training and Technology (TAT) is designed to explore the potential for

cooperation between industry and education in training the disadvantaged as a way to meet national shortages of skilled manpower. This annual report summarizes the demonstration projects active during 1970. Objectives, status, and accomplishments are reviewed for the experimentation and demonstration projects, which are organized in the report by priority rankings. (BH)

VT 012 676
Rehabilitation Counseling Leadership: Present and Potential. Working Paper No. 5. Career Contingencies of the Rehabilitation Counselor.

Case Western Reserve Univ., Cleveland, Ohio. Dept. of Sociology and Anthropology.
Rehabilitation Services Administration (DHEW), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Nov67 42p.

DESCRIPTORS - *REHABILITATION COUNSELING; *EDUCATIONAL SOCIOLOGY; DEMOGRAPHY; *ADMINISTRATIVE PERSONNEL; *GRADUATE STUDENTS; ADMINISTRATOR QUALIFICATIONS; PROFESSIONAL RECOGNITION; EDUCATIONAL STATUS COMPARISON; LEADERSHIP; PROFILE EVALUATION; SCHOOL SURVEYS; OCCUPATIONAL INFORMATION; *CHANGING ATTITUDES; JOB SATISFACTION

ABSTRACT - To analyze the changing nature and growing professionalism of rehabilitation counseling, this report compares the beliefs, attitudes, and experiences of supervisors, educators, and recent graduates in the field. A survey was conducted of all 1965 graduates, graduate program directors, and a stratified random sample of state, district, and area supervisors and counselors-in-charge. The responses were used to determine demography, education, experience, professionalism, and job attributes and attitudes. Comparison between students and educators show similarities, such as a reluctance to grant rehabilitation counseling full status as a profession. Further longitudinal research will determine if these attitudes are maintained through the fourth year after graduation. (BH)

VT 012 677 ED 050 257
Becker, John A.; Stitt, Thomas R.
Measurement of the Agricultural Resources Role in Southern Illinois Agricultural Education.

Southern Illinois Univ., Carbondale. School of Agriculture.
EDRS PRICE MF-$0.65 HC-$3.29
Ag-Ind-Pub-5
PUB DATE - Nov68 26p.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *NATURAL RESOURCES; *EDUCATIONAL NEEDS; PROGRAM PLANNING; PROGRAM DEVELOPMENT; RECREATION; SECONDARY GRADES; POST SECONDARY EDUCATION; *AGRICULTURAL OCCUPATIONS; QUESTIONNAIRES; JOB TRAINING; *EMPLOYMENT OPPORTUNITIES
IDENTIFIERS - *ILLINOIS

ABSTRACT - Southern Illinois is well oriented to agricultural resources occupations, including conservation, utilization, and recreation. Interest measuring tests, surveys, and questionnaires were used to: (1) measure interest of sample junior and senior high school students, (2) identify agricultural related businesses and agencies, and (3) identify and assess job titles within the identified businesses and agencies through interviews. Findings revealed that individual instruction on the secondary level is sufficient to meet the needs of students and that student needs at the postsecondary level were insufficient for a 2-year program. Recommendations were that individual students at the secondary level should be offered supervised experience programs in agricultural resources. In addition, a larger feasibility study should be conducted over the entire state of Illinois to measure the interest and occupational opportunities in this area before any junior college institutes such a program. (GB)

VT 012 678
New Mexico Farm Labor and Rural Manpower Program 1969. Annual Report.

New Mexico State Employment Security Commission, Albuquerque. State Employment Service.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 69 45p.

DESCRIPTORS - *AGRICULTURAL LABORERS; *UNEMPLOYMENT; *AUTOMATION; ECONOMIC CLIMATE; EMPLOYMENT TRENDS; *MANPOWER UTILIZATION; ANNUAL REPORTS; EMPLOYMENT PROGRAMS; *JOB PLACEMENT
IDENTIFIERS - *NEW MEXICO

ABSTRACT - Falling agricultural employment in New Mexico, resulting from greater mechanization, has resulted in the recent expansion of this job placement program to serve more fully the workers and employers of New Mexico. After describing the economic climate and employment trends resulting from mechanization, this annual report explains the services provided to counteract the negative employment trends. Although recruiting, rural development, public relations, and rural manpower services proved to be effective, the program suffered from inadequate funding. Questionnaires, letters, bulletins, and promotional materials are appended. (BH)

VT 012 679 ED 049 362
From Student to Practitioner: Professionalization and De-Professionalization in Rehabilitation Counseling. Working Paper No. 7. Career Contingencies of the Rehabilitation Counselor.

Case Western Reserve Univ., Cleveland, Ohio. Dept. of Sociology.
Rehabilitation Services Administration (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Mar70 42p.

DESCRIPTORS - *JOB SATISFACTION; REHABILITATION COUNSELING; CHANGING ATTITUDES; GRADUATE SURVEYS; *PROFESSIONAL RECOGNITION; *VOCATIONAL FOLLOWUP; *GRADUATE STUDENTS; DEMOGRAPHY; EDUCATIONAL BENEFITS; *LONGITUDINAL STUDIES; ROLE PERCEPTION

ABSTRACT - Growing professionalization in rehabilitation counseling has been offset recently by the New Careers movement and its emphasis on the use of subprofessionals. To analyze recruitment and retention of personnel in the face of this changing professionalism, this report compares the spring 1965 graduates with a national sample of practicing rehabilitation counselors. A 3-year longitudinal study was used to analyze changes in various social characteristics and attitudes. The retention problem among recent graduates is attributed to a lack of professionalism and challenge in the work without salaries and working conditions good enough to compensate. The report concludes that immediate improvement can be made by changing educational programs to increase committment and self-esteem, although a permanent solution will require an overhaul of the entire system. (BH)

VT 012 693
Work Oriented Curriculum Project.

Montgomery County Public Schools, Rockville, Md.
Vocational Rehabilitation Administration (DHEW), Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
6903
PUB DATE - Sep69 5p.

DESCRIPTORS - *HANDICAPPED STUDENTS; *WORK EXPERIENCE PROGRAMS; *SECONDARY SCHOOL STUDENTS; PROGRAM EVALUATION; EMPLOYMENT PATTERNS; *VOCATIONAL FOLLOWUP; *EDUCATIONAL INNOVATION
IDENTIFIERS - WORK ORIENTED CURRICULUM PROJECT

ABSTRACT - This work experience program demonstrated the effects of extending vocational support for handicapped students from a 2-year program into all four years of high school. The 131 enrollees were matched against a comparison group of students from regular school programs beginning in Grade 10. Enrollees were found to have lower dropout rates, higher employment rates, and comparable social adjustment. (BH)

VT 012 694 ED 048 485
Dumas, Neil S.; Muthard, John E.
Rehabilitation Research and Demonstration Projects, 1955-1970. Final Reports and Resultant Publications of Projects Sponsored by the Social and Rehabilitation Service.

Florida Univ., Gainesville.
Social and Rehabilitation Service (DHEW), Washington, D.C.
DOCUMENT NOT AVAILABLE FROM EDRS.
INDEX, Regional Rehabilitation Research Institute, 901 Lakeshore Towers, Gainesville, Florida 32601.
PUB DATE - Jun70 422p.

DESCRIPTORS - *VOCATIONAL REHABILITATION; *BIBLIOGRAPHIES; *REPORTS; *RESEARCH PROJECTS; *DEMONSTRATION PROJECTS; REHABILITATION PROGRAMS; FEDERAL PROGRAMS; SUBJECT INDEX TERMS; INFORMATION PROCESSING

ABSTRACT - During the past 15 years the Social and Rehabilitation Service has supported almost 1,700 research and demonstration projects attempting to improve rehabilitation services. In an effort to provide researchers with information on previous projects, all project directors, past and present, were asked to list final reports, related documents, and index terms for their projects. This resulting document lists project reports by subject, author, and project number. Grantees and their addresses are indexed, and project addresses are provided as sources of further information or copies of the documents. (BH)

VT 012 704 ED 048 486
Briggs, Vernon M., Jr.
Negro Employment in the South. Volume I: The Houston Labor Market.

Manpower Administration (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
MRM-23
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (L1.39/3:23/V.1, $1.00).
PUB DATE - 71 105p.

DESCRIPTORS - *EMPLOYMENT QUALIFICATIONS; *NEGRO EMPLOYMENT; *EMPLOYMENT STATISTICS; *EMPLOYMENT PATTERNS; *METROPOLITAN AREAS; EMPLOYMENT OPPORTUNITIES; EDUCATIONAL EQUALITY; NEGROES; EQUAL OPPORTUNITIES (JOBS); MANPOWER NEEDS; LABOR MARKET; MANPOWER DEVELOPMENT; RACIAL DISCRIMINATION; FEMALES
IDENTIFIERS - HOUSTON

ABSTRACT - As part of a project on Negro employment in the South, this study considers two indicators of the employment status of blacks in the Houston labor market: (1) a penetration rate which shows the degree of entrance into various employment categories, and (2) an index of occupational positions which measures relative status in these categories. In addition, programs to improve black employment patterns are described. The findings indicate structural imbalances; the employment position of blacks in Houston is below average for the nation and typical of the South, inspite of the city's growing economy and shortage of manpower. Noting the outright exclusion of black women from most jobs, the study recommends training to upgrade black men and pressure to eliminate the discriminatory hiring practices which bar black women from employment. (BH)

VT 012 705 ED 048 487
Ullery, J. William; O'Brien, Robert K.

Testing of the Guidance Program. Project ABLE; Development and Evaluation of an Experimental Curriculum for the New Quincy (Mass.) Vocational-Technical School.

Quincy Public Schools, Mass.
American Institutes for Research, Pittsburgh, Pa.
Office of Education (DHEW), Washington, D.C. Bureau of Research
EDRS PRICE MF-$0.65 HC-$3.29
OEC-5-85-019 08
TR-18 BR-5-0009
PUB DATE - Sep70 32p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *GUIDANCE PROGRAMS; *PROGRAM EVALUATION; *OCCUPATIONAL GUIDANCE; JUNIOR HIGH SCHOOLS; *EDUCATIONAL GUIDANCE; OCCUPATIONAL CHOICE; POSTTESTING; PRETESTING
IDENTIFIERS - *PROJECT ABLE; PROJECT ABLE CAREER DEVELOPMENT INVENTORY

ABSTRACT - The Project ABLE Guidance Program was designed to prepare junior high school students for making an appropriate and stable choice of a high school program. To determine the success of the program, an experimental and a control group were administered the Project ABLE Career Development Inventory prior to and after implementation of the guidance plan. The results of the testing program were inadequate, with many inconsistencies occurring in the data and on the student score sheets. Serious questions can be raised about proper administration of the pre- and posttest and use of the student kit materials, required reference, and multi-media support materials. Funds for the support of staff for the proper revision of the student kit materials have not been readily available. It is felt that further refinement of the materials and administrative procedures, better implementation, and a more exhaustive investigation of student performance will lead to more positive results. The Career Development Inventory and summary of test scores are appended. Related reports are available as ED 024 752 and ED 024 767 (VT 001395 and VT 004 848, respectively, both in ARM Winter 1969). (Author/SB)

VT 012 710
Powell, Phillip E.
Attitude Testing for an Experimental Junior High School Course in Economic Education and Manpower Development. Technical Paper #1.

Ohio Univ., Athens. Center for Economic Education.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Feb67 23p.

DESCRIPTORS - *ATTITUD TESTS; *JUNIOR HIGH SCHOOL STUDENTS; *LABO. ECONOMICS; TEST VALIDITY; EDUCATIONAL INNOVATION; CHANGING ATTITUDES; *TEST CONSTRUCTION; TESTING PROBLEMS

ABSTRACT - This 165-item attitude test covering occupational opportunities and labor market processes was developed to measure attitude changes among junior high school students enrolled in an experimental course on labor economics. The five types of attitude test questions used in the test, including scaled choice, ranking, checking, and limited and unlimited multiple choice, were evaluated in terms of their accuracy and ease of administration, with the scaled choice type of question receiving the most favorable evaluation. A summary table of the test question evaluation, a sample questionnaire, answer sheet, and bibliography are appended. (BH)

VT 012 713
Community Development Training Program.

Massachusetts State Dept. of Community Affairs, Boston. Office of Training.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 20p.

DESCRIPTORS - *COMMUNITY DEVELOPMENT; *CULTURALLY DISADVANTAGED; *MANPOWER DEVELOPMENT; *EDUCATIONAL PROGRAMS; MANPOWER UTILIZATION; SUBPROFESSIONALS; LOCAL HOUSING AUTHORITIES; MANAGEMENT EDUCATION; *OCCUPATIONAL MOBILITY
IDENTIFIERS - MODEL CITIES PROGRAM

ABSTRACT - This report describes the first year's operation of a program to train municipal officials and employees and members of nonprofit community development organizations. During this period, programs were offered in the areas of city administrative management, housing, and employment and upgrading of the disadvantaged. The available Model Cities and community action programs are described. (BH)

VT 012 715
Cudaback, Dorothea
Training and Education of New Careerists in Public Welfare.

California Univ., Richmond. Research Projects Office.
California State Dept. of Social Welfare. Projects Div.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 15May69 13p.

DESCRIPTORS - *MANPOWER UTILIZATION; *CULTURALLY DISADVANTAGED; *CAREER OPPORTUNITIES; *SOCIAL WELFARE; MANPOWER DEVELOPMENT; WELFARE RECIPIENTS; EMPLOYMENT PROGRAMS; *GOVERNMENT EMPLOYEES; OCCUPATIONAL MOBILITY
IDENTIFIERS - *NEW CAREERS

ABSTRACT - In requiring public welfare departments to hire welfare recipients as service workers, the 1967 Social Security Act Amendments were intended both to provide productive jobs for the disadvantaged and to improve welfare services. On the basis of a New Careers welfare service aide project undertaken in an urban California county, this report describes the features essential to the success of this type of project. Stressed are education and skill training with heavy reliance on peer group learning and total agency committment. (BH)

VT 012 718
Preparation for Law Enforcement.

Wisconsin State Univ., Stevens Point. Office of Institutional Research.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Nov70 41p.

DESCRIPTORS - *POLICE; *PROFESSIONAL EDUCATION; *EDUCATIONAL NEEDS; STATE SURVEYS; RATING SCALES; CURRICULUM RESEARCH; *LAW ENFORCEMENT
IDENTIFIERS - WISCONSIN

ABSTRACT - To determine public opinion in Wisconsin regarding the educational preparation necessary for policemen, nearly 500 police chiefs, sheriffs, district attorneys, school superintendents, and Rotary Club presidents were surveyed. Over 40 courses or topics were evaluated as essential, helpful, or not needed in the preparation of patrolmen and staff officers. In separate listings for the two categories of policemen, the courses are ranked according to the percentages of "essential" and "helpful" responses. The complete responses are included, broken down by both rater group and police category. (BH)

VT 012 720 ED 048 488
Brandon, George L., Ed.
Research Visibility: Research and Evaluation.

American Vocational Association, Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
American Vocational Journal; v46 n2 p79-82 Feb 1971.
PUB DATE - Feb71 4p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *RESEARCH REVIEWS (PUBLICATIONS); *EDUCATIONAL RESEARCH; *ANNOTATED BIBLIOGRAPHIES; *PROGRAM EVALUATION; EDUCATIONAL PROGRAMS; PROGRAM DEVELOPMENT

ABSTRACT - The purpose of this research review was to demonstrate the relationship between the research and evaluation activities and the operational programs of the American Vocational Association (AVA) as it was presented to the 1970 annual convention. The 18 research reports are reviewed under these categories: (1) Awareness, Maturity, and Performance, (2) Centers and Computers, (3) Agricultural Education, (4) Beyond High School, (5) Vocational Education, Research, and Development, (6) Health Occupations and Home Economics, (7) Distributive Education and Office Education, and (8) Trade and Industrial Achievement Tests. A brief review of the AVA Research and Evaluation Department activities is provided. (SB)

VT 012 721 ED 048 489
National Advisory Council on Vocational Education. Fourth Report.

National Advisory Council on Vocational Education, Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 16Jan71 11p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *EDUCATIONAL PROBLEMS; *ADVISORY COMMITTEES; *EDUCATIONAL FINANCE; *EDUCATIONAL PLANNING; EDUCATIONAL PROGRAMS; FEDERAL STATE RELATIONSHIP; FEDERAL AID; FEDERAL LEGISLATION
IDENTIFIERS - VOCATIONAL EDUCATION AMENDMENTS OF 1968

ABSTRACT - This report of the National Advisory Council, a committee of 21 persons from labor, management, and education, outlines the problems associated with the present system of financing vocational education and presents recommendations for overcoming these problems. The problems identified were: (1) Voters are more willing to support educational programs benefiting all students, and the costs of vocational education programs are often more expensive than a college preparatory or liberal arts course, (2) The federal and state assistance intended to be an incentive often becomes a ceiling because many school districts provide vocational programs only when they are reimbursed, (3) A tight definition of vocational education often becomes a straight jacket, (4) The state plan is not a viable planning instrument, and (5) The Federal Government has little power to affect the achievement of national objectives. To alleviate these problems, the council recommends that a new technique in federal-state relationships be adopted in which a support component, comprising 75 percent of the funds, would come from Congress, and the remaining 25 percent would be an incentive component to be allocated by the Office of Education in proportion to each state's efforts to achieve the national objective. Other recommendations are included. (SB)

VT 012 724
Pucel, David J., And Others
Vocational Maturity and Vocational Training.

American Vocational Association, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Dec70 11p. Presented at the American Vocational Association Convention (New Orleans, Dec 7, 1970).

DESCRIPTORS - *OCCUPATIONAL ASPIRATION; *MATURITY TESTS; WORK EXPERIENCE; VOCATIONAL COUNSELING; VOCATIONAL DEVELOPMENT; *VOCATIONAL INTERESTS; *TEST VALIDITY; TEST RESULTS; ERROR PATTERNS; ADULT VOCATIONAL EDUCATION; CAREER PLANNING; *CAREER CHOICE
IDENTIFIERS - *VOCATIONAL DEVELOPMENT INVENTORY; VDI

ABSTRACT - Because of biased test results which appeared in a study of the Vocational Development Inventory (VDI), this paper questions the use of the VDI as an instrument for vocational counseling. Finding positive relationships between test scores and both intelligence and choice of a professional career, the study showed that the VDI does not provide accurate estimates of vocational maturity, since the extent to which

vocational plans are developed is not the only variable affecting test results. (BH)

VT 012 726
Osborn, William C.
An Approach to the Develcpment of Synthetic Performance Tests for Use in Training Evaluation. Professional Paper 30-70.

Human Resources Research Organization, Alexandria, Va.
Department of the Army, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Dec70 11p. Presentation to Annual Military Testing Association Conference (12th, French Lick, Ind., Sep 1970).

DESCRIPTORS - *TEST SELECTION; *TEST VALIDITY; *TEST CONSTRUCTION; *PERFORMANCE TESTS; *EVALUATION TECHNIQUES

ABSTRACT - This paper describes an approach to the selection of inexpensive alternatives to fully job-relevant performance tests. Based on the concept of content validity, the approach is to utilize the skill and knowledge required of the trainee as a criterion for assessing the cost and job-relevance of fabricated alternatives to performance tests. Two job tasks are analyzed to illustrate the concept. (Author/BH)

VT 012 727
Licensed and Certified Occupatiors in Nevada.

Nevada State Dept. of Employment Security, Carson City. Manpower Information and Research Section.
Nevada State Dept. of Education, Carson City. Guidance and Pupil Personnel Service.
MF AVAILABLE IN VT-ERIC SET.
Nevada Employment Security Dept., Manpower Information and Research, 500 East Third Street, Carson City, Nevada 89701 (no charge).
PUB DATE - Apr70 196p.

DESCRIPTORS - *OCCUPATIONS; *CATALOGS; *OCCUPATIONAL INFORMATION; *CERTIFICATION; EDUCATIONAL NEEDS; EMPLOYMENT QUALIFICATIONS; *STATE STANDARDS; STATE LICENSING BOARDS
IDENTIFIERS - *NEVADA

ABSTRACT - To meet some of the information needs of the labor market, this catalog of licensed occupations in Nevada includes job descriptions, state licensing requirements, fees, approved training and a source for further information for over 100 regulated occupations. Because of variations between areas, only state requirements are included. (BH)

VT 012 728 ED 048 490
Harris, James Lee
The Enrollment Rates, Dropout Rates and Economic Benefits That Characterize the Experience of the Disadvantaged in Oklahoma's Occupational Training.

DOCUMENT NOT AVAILABLE FROM EDRS.

University Microfilms, Inc., P.O. Box 1764, Ann Arbor, Michigan 48106 (Order No. 71-11162, MF $4.00; Xerography $10.00).
PUB DATE - May70 101p.

DESCRIPTORS - *ENROLLMENT RATE; *DROPOUT RATE; *ECONOMIC OPPORTUNITIES; *VOCATIONAL EDUCATION; *DISADVANTAGED YOUTH; EMPLOYMENT OPPORTUNITIES; INCOME; HANDICAPPED STUDENTS; GRADUATE SURVEYS

ABSTRACT - Because occupational training for the disadvantaged presents special problems for the educator, this study provides information on some of the needs of disadvantaged students. Data were collected by the Occupational Training Information System and the Oklahoma Research Coordinating Unit from the full time occupational students in the state. The results show: (1) overrepresentation of the culturally and physically handicapped in Oklahoma vocational programs, along with underrepresentation of economically disadvantaged enrollees, (2) influence of program type on enrollment and dropout rates, (3) higher dropout rates for the disadvantaged, except for the physically handicapped, and (4) no difference in economic benefits or placement rates. Specific recommendations are made in the areas of research and guidance programs in occupational education. This Ed.D. Dissertation was submitted to Oklahoma State University. (BH)

VT 012 731 ED 048 491
Resource Manual 71 for the Development of Cooperative Vocational Educatien Programs Under the Vocational Education Amendments of 1968.

Office of Education (DHEW), Washington, D.C. Div. of Vocational and Technical Education.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Nov70 31p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *COOPERATIVE PROGRAMS; *STATE PROGRAMS; *PROGRAM PLANNING; *PROGRAM DEVELOPMENT; FEDERAL LEGISLATION; FINANCIAL SUPPORT; WORK STUDY PROGRAMS; FEDERAL AID; EDUCATIONAL FINANCE
IDENTIFIERS - *VOCATIONAL EDUCATION AMENDMENTS OF 1968

ABSTRACT - Designed to be used with "A Guide for Cooperative Vocational Education" (ED 037 564), this resource manual summarizes selected facts and suggestions to help state staffs in developing and planning cooperative vocational education programs. Sections are: (1) an introductory section describing cooperative vocational education, (2) definition and interpretation based on Part G of the Vocational Education Amendments (VEA) of 1968, (3) sources of federal funding under Parts B-L of the VEA of 1968, (4) grants to states under Part G, (5) comparative analysis of cooperative education programs and work-study programs, (6) discussion of the Part G regulations, (7) allowable expenditures of federal and matching funds under Parts B and G, (8) suggested content for applications and training agreement, and (9) persons to be

served by cooperative programs. (SB)

VT 012 735
Green, Muriel, Ed., And Others
Aerospace Education Resource Conference (Flushing, N.Y., May 3, 1968).

New York City Board of Education, Brooklyn, N.Y. Bureau of Curriculum Development
New York State Aerospace Education Advisory Council
New Jersey Aerospace Education Advisory Committee
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Jul68 120p.

DESCRIPTORS - *EDUCATIONAL RESOURCES; *AEROSPACE TECHNOLOGY; *AEROSPACE INDUSTRY; CONFERENCE REPORTS; *TECHNOLOGICAL ADVANCEMENT; SCHOOL INDUSTRY RELATIONSHIP; EDUCATIONAL OBJECTIVES; CURRICULUM DEVELOPMENT; *EDUCATIONAL RESPONSIBILITY

ABSTRACT - The great impact which the aerospace industry will have on education is just now becoming evident. This 1-day conference met to discuss this growing impact, disseminate knowledge and interest in aerospace, and develop the cooperation of the aerospace industry in education. The discussion group format of the conference provided a favorable environment for interaction in analyzing curriculum problems in small groups, divided in the morning session by grade level, and in the afternoon session by subject area. Their conclusions contain implications for the schools, industry, and government agencies. (BH)

VT 012 737
First Annual Report.

Vermont State Advisory Ccuncil for Vocational-Technical Education, Montpelier.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 16Nov70 17p.

DESCRIPTORS - *STATE PROGRAMS; *VOCATIONAL EDUCATION; *PROGRAM EVALUATION; ANNUAL REPORTS; ADVISORY COMMITTEES
IDENTIFIERS - VERMONT

ABSTRACT - This first annual report evaluates Vermont's vocational education system. Ten recommended improvements are suggested, with heavy emphasis on the need for better vocational guidance. The Council's constitution is appended. (BH)

VT 012 738
Toward Your Future Job--Drive or Drift? An Exploratory Look at Career Hopes and Occupational Aspirations of Young People of Oregon.

Oregon State Bureau of Labor, Salem.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - ND 78p.

DESCRIPTORS - *STUDENT ALIENATION; *OCCUPATIONAL ASPIRATION; *CAREER PLANNING; *HIGH SCHOOL STUDENTS; SCHOOL SURVEYS; *CAREER CHOICE; VOCATIONAL INTERESTS; INDIVIDUAL CHARACTERISTICS; SOCIOECONOMIC INFLUENCES; STUDENT ATTITUDES
IDENTIFIERS - OREGON

ABSTRACT - To determine the degree of alienation among Oregon youth, this study investigated the vocational plans of youth in the age group 16-18. A survey was made, mostly of applicants for minor's work permits, resulting in 766 usable responses. After finding specific goals or plans among 90 percent of the boys and girls surveyed, the study recommended implementation of a referral program to bring together students and employers to make available first-hand information on the occupations. (BH)

VT 012 755
Emerging Patterns. Academic and Industrial Approaches to Education, Training and Manpower Development in Graphic Communications.

Graphic Arts Technical Foundation, Inc., Pittsburgh, Pa.
MF AVAILABLE IN VT-ERIC SET.
The Graphic Arts Technical Foundation, Inc., 4615 Forbes Avenue, Pittsburgh, Pennsylvania 15213.
PUB DATE - 69 96p.Addresses given at the Graphic Arts Technical Foundation, Inc. General Education Meeting (1969).

DESCRIPTORS - *GRAPHIC ARTS; EDUCATIONAL SUPPLY; *TRADE AND INDUSTRIAL EDUCATION; EDUCATIONAL NEEDS; *MANPOWER NEEDS; *CURRICULUM PROBLEMS; *SCHOOL INDUSTRY RELATIONSHIP; EDUCATIONAL IMPROVEMENT; COMMUNITY COLLEGES; INPLANT PROGRAMS

ABSTRACT - For many years, school and industry educational programs have failed to meet the manpower needs in the graphic arts occupations. This gap has widened as changes in jobs and required skills have not been accompanied by educational changes. The 10 papers presented in this document by K.C. Morrisey, R.I. Squire, R. Cowan, W.J. Henretty, R.G. Karnes, K.G. Scheid, W.H. Smith, L.A. Valicenti, R.B. Burr, and F.R. Maffei, Jr., have as a common goal the improvement of coordination between school and industry in meeting educational needs. The papers cover the community college role, graphic arts curriculum, inplant programs, education as a capital investment, and evaluation of present efforts by school, association, and industry. (BH)

VT 012 763 ED 049 363
Curtin, Elizabeth M.; Morine, John P.
Tufts University Summer Guidance Institute on the Utilization of Occupational Education and Placement (Medford, Mass., Jul 20-31, 1970). Final Report.

Massachusetts State Dept. of Education, Boston. Div. of Occupational Education
Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Oct70 50p.

DESCRIPTORS - *INSTITUTES (TRAINING PROGRAMS); EDUCATIONAL CHANGE; *GUIDANCE PERSONNEL; *INSERVICE PROGRAMS; *PROGRAM EVALUATION; *PROFESSIONAL CONTINUING EDUCATION; VOCATIONAL CONTINUING EDUCATION; JOB PLACEMENT; DISADVANTGED YOUTH; COUNSELOR ROLE; HANDICAPPED STUDENTS; TECHNOLOGICAL ADVANCEMENT
IDENTIFIERS - *EDUCATIONAL PROFESSIONS DEVELOPMENT ACT; MASSACHUSETTS

ABSTRACT - The purposes of this institute were to (1) provide the information needed to offer vocational courses for the non-college bound handicapped and disadvantaged, (2) point out the need for remedial and psychological services, (3) increase participants' understanding of the role of the counselor in our rapidly changing society, (4) increase emphasis on placement in school and industry, and (5) improve supervision of vocational education at all levels. Five days of presentations by experts in the field were supplemented by travel to schools, special programs, industrial plants, and a career information center to show practical applications. The major value of the institute, according to the participating guidance personnel, was in familiarizing participants with new developments in vocational education, particularly preparations for emerging occupations and technological advancement. A followup evaluation showed that the institute had great impact throughout the state, as participants assumed leadership roles in implementing the new ideas. (BH)

VT 012 767
The Seventies--Education and Change.

Graphic Arts Technical Foundation, Inc., Pittsburgh, Pa.
MF AVAILABLE IN VT-ERIC SET.
The Graphic Arts Technical Foundation, Inc., 4615 Forbes Avenue, Pittsburgh, Pennsylvania 15213.
PUB DATE - 70 60p.Addresses given at the General Education Meeting of the Graphic Arts Technical Foundation, Inc. (1970).

DESCRIPTORS - *GRAPHIC ARTS; EDUCATIONAL CHANGE; EDUCATIONAL IMPROVEMENT; EDUCATIONAL PLANNING; *TRADE AND INDUSTRIAL EDUCATION; VOCATIONAL EDUCATION; *SPEECHES; *EDUCATIONAL NEEDS; INDUSTRIAL ARTS

ABSTRACT - The purpose of the Graphic Arts Technical Foundation General Education Meeting, as indicated by the title of this document was to discuss the changes that will be made in graphic arts education during the decade of the '70's. Presentations included: (1) Printing: Forecast of the Future, (2) Key to Management Success in the 1970's--The Motivation and Training of People, (3) Can He Who Renders Images Create His Own? (4) Technology for Training, 1970, and (5) The Graphic Communications Teacher of Tomorrow: From the Educators Viewpoint, From the Printing Association Viewpoint, and From an Industry-Oriented Viewpoint. A biographical sketch of the speakers is included. (GEB)

VT 012 775 ED 049 364
Rhine, Shirley H.; Creamer, Daniel
The Technical Manpower Shortage: How Acute? A Chart Essay.

National Industrial Conference Board, New York, N.Y.
MF NOT AVAILABLE IN VT-ERIC SET.
National Industrial Conference Board, Inc., 845 Third Avenue, New York, N.Y. 10022 (Associates $2.00, Non-Associates $10.00).
PUB DATE - 69 76p.

DESCRIPTORS - *MANPOWER NEEDS; *TECHNICAL OCCUPATIONS; *SCIENTIFIC PERSONNEL; *EMPLOYMENT PROJECTIONS; SUBPROFESSIONALS; *LABOR SUPPLY; TECHNOLOGICAL ADVANCEMENT

ABSTRACT - Relaxed educational requirements and rising salaries attest to the increasing shortages of technical manpower over the past two decades. This report quantifies the shortages of technicians, engineers, and scientists. Increasing shortages are projected for the next 5 years, in spite of a growing supply of personnel. Abundant charts provide the labor market statistics. (BH)

VT 012 793 ED 049 365
Summaries of Studies in Agricultural Education in the Philippines, 1930-1959. An Annotated Bibliography.

University of the Philippines, College, Laguna. Coll. of Agriculture.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 68 49p.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *ABSTRACTS; *AGRICULTURAL EDUCATION; *EDUCATIONAL RESEARCH
IDENTIFIERS - *PHILIPPINES

ABSTRACT - This annotated bibliography of research in agricultural education in the Philippines includes 54 studies completed between 1930 and 1959. They are arranged alphabetically by author and outlined according to purpose, method, and findings. A related document available in this issue as VT 012 975 includes 77 studies between 1960 and 1968. (GB)

VT 012 795 ED 049 366
Summaries of Studies in Agricultural Education in the Philippines, 1960-1968. An Annotated Bibliography.

University of the Philippines, College, Laguna. Coll. of Agriculture.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 68 59p.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *ABSTRACTS; *AGRICULTURAL EDUCATION; *EDUCATIONAL RESEARCH

ABSTRACT - This annotated bibliography of research in agricultural education in the Philippines includes 77 studies completed between 1960 and 1968. They are arranged alphabetically by author and outlined according to purpose, method, and findings. A

related document available in this issue as VT 012 793 includes 54 studies between 1930 and 1959. (GB)

VT 012 810 ED 049 367
York, Edwin G., Comp.
A Compilation of Resource Lists for Vocational Educators: An Annotated Bibliography of Bibliographies in Vocational Education, 1960-1969. Occupational Research Development Monograph No. 2.

New Jersey State Dept. of Education, Trenton. Occupational Research and Development Branch.
EDRS PRICE MF-$0.65 HC-$9.87
ORD Mon 2.
PUB DATE - 69 298p.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *VOCATIONAL EDUCATION; *RESOURCE GUIDES; INDEXES (LOCATERS); RESOURCE MATERIALS; MATERIAL DEVELOPMENT; *EDUCATIONAL RESEARCH

ABSTRACT - A total of 579 bibliographies, compilation of abstracts, order lists, periodical indexes, reproductions of library catalog cards, books, newspaper and journal articles, government and research documents, microforms, films, and filmstrips made available since 1960 were compiled as a resource guide for vocational educators. The materials were gathered from literary sources, 25 libraries which serve large teaching-training programs, 50 large industrial corporations, the research coordinating unit or state library in each state, and over 100 professional associations related to vocational education or specific occupations. The resources are organized according to 22 general and 252 specific headings, and each entry under the specific heading is listed alphabetically by author. In addition, each entry includes a cumulative entry number, author, title, publication information, pagination, a descriptive and occasionally evaluative annotation, and availability information. An introductory section describes how to use this publication, and subject and author-agency indexes are included. (SB)

VT 012 811 ED 048 492
Ullery, J. William; Nicastro, Joseph S.
Development and Evaluation of an Experimental Curriculum for the New Quincy (Mass.) Vocational-Technical School. Project ABLE, Final Report.

Quincy Public Schools, Mass.
American Institutes for Research, Pittsburgh, Pa.
National Center for Educational Research and Development (DHEW/OE), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$6.58
OEC-5-85-019 08
BR-5-0009
PUB DATE - 30Sep70 163p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *CURRICULUM DESIGN; CORE CURRICULUM; *CURRICULUM EVALUATION; AREA VOCATIONAL SCHOOLS; *SYSTEMS APPROACH; EDUCATIONAL OBJECTIVES; *EXPERIMENTAL CURRICULUM; PROGRAM EVALUATION; STUDENT EVALUATION; INDIVIDUALIZED INSTRUCTION; VOCATIONAL COUNSELING; OCCUPATIONAL INFORMATION; MATERIAL DEVELOPMENT; TEACHER EDUCATION
IDENTIFIERS - *PROJECT ABLE

ABSTRACT - Project ABLE, a systems approach to occupational education, was conducted (1) to demonstrate increased effectiveness of instruction whose content is derived from analysis of desired behaviors after graduation and (2) to apply newly developed educational technology to the design, conduct, and evaluation of vocational education. Several procedures were established to accomplish project objectives, including methods for defining educational objectives, deriving course content, individualizing instruction, measuring student achievement, and evaluating program results. Despite several problems, especially budgetary limitations, Project ABLE has made major contributions in terms of potential national significance and application in the areas of individualized instruction, student evaluation, and program evaluation. Before the effectiveness of the instruction can be demonstrated, all system components must be completed, a field test population of adequate size must be used, and a longitudinal study of an adequate number of graduates must be conducted. Recommendations and selected references are listed, and several project materials are appended, including brief summaries of the 18 previous technical reports. (SB)

VT 012 815 ED 048 494
Duis, Harold F.
State Vocational Education Statistics, Fiscal Year 1969. Preliminary Report.

Bureau of Adult, Vocational, and Technical Education (DHEW/OE), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
OE-80071
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (HE5.280:80071, $.35)
PUB DATE - 70 26p.

DESCRIPTORS - *VOCATIONAL EDUCATION; PROGRAM EVALUATION; *STUDENT ENROLLMENT; ENROLLMENT TRENDS; ADULT EDUCATION; *EXPENDITURES; EXPENDITURE PER STUDENT; SECONDARY EDUCATION; JOB PLACEMENT; POST SECONDARY EDUCATION; STATISTICAL DATA; *COMPARATIVE STATISTICS; *STATE PROGRAMS

ABSTRACT - This preliminary report, consisting of 14 statistical tables and a summary of their contents, was prepared from the states' reports on vocational education programs. The tables, which include data on enrollments and expenditures, indicate the national norm and each state's relationship to this norm. For certain items, data for previous years are given for comparison. This summary should prove useful to persons interested in the contributions being made by vocational education and particularly those individuals concerned with evaluation of the vocational education program. A final report

will follow. (Author/JS)

VT 012 816 **ED 049 368**
Hammond, Allen
Mathematical Models in Education and Training.

Rand Corp., Santa Monica, Calif.
Department of the Air Force, Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
The Rand Corporation, 1700 Main Street, Santa Monica, California 90406 ($2.00).
PUB DATE - Sep70 37p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *MATHEMATICAL MODELS; *EDUCATIONAL PLANNING; *DECISION MAKING; EDUCATIONAL RESOURCES; EDUCATIONAL RESEARCH; PROGRAM EFFECTIVENESS; PROGRAM EVALUATION; *EDUCATIONAL ADMINISTRATION; SYSTEMS ANALYSIS

ABSTRACT - Education and training systems are complex organizations of facilities, instructors, equipment, routines, and students. Because of this complexity, mathematical models can be used effectively to explain the behavior of educational systems and to assist in making decisions relative to better design and operation, and improved cost-effectiveness, capacity, and quality. This document, therefore, presents an assessment of the present state of the art of modeling educational systems. Important to all areas of educational research, the document is written in relatively nontechnical terms and is intended primarily for administrators who are assumed not to have strong mathematical backgrounds. A technical appendix is included for these readers who wish to pursue the actual construction of models in greater depth. (Author)

VT 012 817 ED **048 495**
Keene, Richard
Project SUCCESS: Student Upward Challenges in Comprehensive Exemplary Secondary Schools, School Year 1969-70. Final Report.

Utah Research Coordinating Unit for Vocational and Technical Education, Salt Lake City.
Office of Education (DHEW), Washington, D.C.
Bureau of Research
EDRS PRICE MF-$0.65 HC-$6.58
OEG-4-7-063046-1612 08
BR-6-3046
PUB DATE - Oct70 124p.

DESCRIPTORS - *VOCATIONAL EDUCATION; ENROLLMENT TRENDS; *PROGRAM EVALUATION; SECONDARY EDUCATION; *EDUCATIONAL OBJECTIVES; *PROGRAM IMPROVEMENT; STUDENT NEEDS; STUDY ABILITY; STUDENT INTERESTS; *PROGRAM EFFECTIVENESS; MANPOWER NEEDS; RESEARCH COORDINATING UNITS
IDENTIFIERS - UTAH; *PROJECT SUCCESS

ABSTRACT - The primary objective of Project SUCCESS was to provide each student with the opportunity to match his abilities, interests, and values with the requirements for current and future job opportunities. In an effort to determine the effectiveness of the project, this document presents a summary of the related evaluation data. The majority of the document is devoted to the appendixes, including enrollment trends for the various program areas plus objective ratings. The overall effectiveness of the program is 2.93 based on a 4.0 scale, indicating that the program needs further development, but is generally adequate. (CD)

VT 012 818 **ED 048 496**
Gaddis, G. Warren
Project "Follow-Up." Interim Report.

Utah Research Coordinating Unit for Vocational and Technical Education, Salt Lake City.
Office of Education (DHEW), Washington, D.C.
Bureau of Research
EDRS PRICE MF-$0.65 HC-$3.29
OEG-4-7-063046-1612 08
BR-6-3046
PUB DATE - Dec70 59p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *FOLLOWUP STUDIES; *METHODOLOGY; *DATA COLLECTION; *PROGRAM EVALUATION; QUESTIONNAIRES; HIGH SCHOOL STUDENTS; PROGRAM EFFECTIVENESS; PROGRAM COSTS; POST SECONDARY EDUCATION; RESEARCH COORDINATING UNITS
IDENTIFIERS - UTAH

ABSTRACT - This document summarizes the continued effort to develop procedures and machinery for a State-wide, 5-year followup of Utah high school and postsecondary vocational students. Included in the document are data for cost-effectiveness evaluation of vocational programs. Emphasis was placed on judging the value of the data collection instruments and procedures as previously developed and reported in earlier reports. The current efforts led to several conclusions, including: (1) the method of deriving the populations was adequate, (2) the procedures for collecting enrollment data and the percentage of questionnaire returns were not satisfactory, and (3) program costs are highly variable without apparent reason. It was recommended that this project be continued. (Author/JS)

VT 012 819 **ED 049 369**
Buzzell, Charles H.
Incidence of Geographic and Occupational Mobility Among Certified Electronic Technicians in the Middle Atlantic States.

New Jersey Occupational Research and Development Branch, Trenton.
EDRS PRICE MF-$0.65 HC-$6.58
ORDM 7
PUB DATE - ND 191p.

DESCRIPTORS - *RELOCATION; *OCCUPATIONAL MOBILITY; *ELECTRONIC TECHNICIANS; *ENGINEERING TECHNICIANS; *EDUCATIONAL ENVIRONMENT; EDUCATIONAL BACKGROUND; COMPARATIVE ANALYSIS; QUESTIONNAIRES

ABSTRACT - To determine the extent to which differences in occupational and geographic

mobility are a result of the learning environment in which a certified electronic technician was trained, and to disclose the differences resulting from the occupation itself, the entire population of over 1,500 certified engineering technicians in New York, New Jersey, and Pennsylvania were surveyed by questionnaire. The results show great similarity among technicians from different training environments and from different areas of specialization. Differences in geographic and occupational mobility were unrelated to learning environment for all classes of technicians. (BH)

VT 012 820
Stevenson, William W.; Harris, James L.
Cycle Three Report. Occupational Training Information System.

Oklahoma State Dept. of Vocational and Technical Education, Stillwater. Div. of Research, Planning and Evaluation
Oklahoma State Dept. of Industrial Development and Parks, Oklahoma City
Ozarks Regional Commission, Little Rock, Ark.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 31Jan71 284p.

DESCRIPTORS - *MANPOWER NEEDS; *LABOR SUPPLY; *MANPOWER DEVELOPMENT; *INFORMATION SYSTEMS; *UNEMPLOYED; VOCATIONAL EDUCATION; ON THE JOB TRAINING; STATE PROGRAMS; PROGRAM PLANNING; TABLES (DATA)
IDENTIFIERS - *OCCUPATIONAL TRAINING INFORMATION SYSTEM; OTIS

ABSTRACT - The overall purpose of the Occupational Training Information System (OTIS) is to provide improved data for evaluating recommended changes in the Oklahoma State Plan for Vocational Education. In addition to matching labor supply and demand to show net demand, the project covers cost analysis, followup, underdeveloped human resources, and sociopolitical involvements between different agencies with similar goals. This Cycle III report provides data on labor supply and demand, and their interfacing, to show net additional manpower requirements for 1971, by occupation and training programs. Programs offered in the state are grouped according to net demand to provide training priorities. Earlier reports are available as VT 010 020, VT 011 072, and ED 042 050 or VT 011 582 (all in ARM Winter 1970). (BH)

VT 012 821 ED 049 370
Husted, Frank L., Ed.; Perry, J. Warren, Ed.
Manpower Conference on Allied Health Professions Assistants (Buffalo, N.Y., Apr 16-17, 1970).

State Univ. of New York, Buffalo. School of Health Related Professions.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - 70 161p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; *CONFERENCE REPORTS; HEALTH PERSONNEL; *MANPOWER UTILIZATION; *SUBPROFESSIONALS; MANPOWER NEEDS; MANPOWER DEVELOPMENT; HEALTH SERVICES; EDUCATIONAL NEEDS; CERTIFICATION; OCCUPATIONAL MOBILITY

ABSTRACT - The 73 participants representing 10 health professions, health education at all levels, and federal and state agencies attended a 2-day conference which attempted to reinforce communication among allied health practitioners in the utilization of the allied health assistant in the delivery of health care. Major issue papers, which provided discussion ideas for multi-disciplinary workshops, were: (1) "Health Manpower and the Health Crisis" by K.M. Endicott, (2) "The Assistant: Mobile or Immobile?" by J.W. Perry, (3) "The Assistant's Basic Education" by Sister A. Joachim, (4) "The Need: Who? When? Where?" by L.M. Detmer, and (5) "Certification and Licensure: Blessing or Boondoggle?" by E.E. Leuallen. Needs of selected disciplines were also recognized, and these become the major area of concentration in the panels and disciplinary workshops. Texts of the major papers and workshop notes are included in the report. (SB)

VT 012 823 ED 048 497
Gibson, Dennis L., and Others
Manual for the Minnesota Satisfactoriness Scales. Minnesota Studies in Vocational Rehabilitation: XXVII.

Minnesota Univ., Minneapolis. Industrial Relations Center.
Social and Rehabilitation Service (DHEW), Washington, D.C.
DOCUMENT NOT AVAILABLE FROM EDRS.
Bull-53
Work Adjustment Project, 447 B.A. Building, University of Minnesota, Minneapolis, Minnesota 55455
PUB DATE - Dec70 57p.

DESCRIPTORS - *PERSONNEL EVALUATION; JOB PLACEMENT; *QUESTIONNAIRES; *TEST CONSTRUCTION; TEST RELIABILITY; TEST VALIDITY; EMPLOYEES; TASK PERFORMANCE; TEST RESULTS; *MANUALS; VOCATIONAL REHABILITATION; MEASUREMENT INSTRUMENTS; TEST INTERPRETATION
IDENTIFIERS - *MINNESOTA SATISFACTORINESS SCALES

ABSTRACT - Intended as a manual for the Minnesota Satisfaction Scales, this monograph describes the development of the 28-item questionnaire designed to be completed by a worker's supervisor to assess the satisfactoriness of an employee. The scales were developed from supervisor ratings of 2,373 workers, and norms are provided for the occupational groups of Professional, Managerial and Technical, Clerical and Sales, Machine Trades and Bench Work, and Workers-in-General. The five scales show a median internal consistency reliability of .87, and a median test-retest reliability for several job groupsover a 2-year interval was .50. Other technical data concerning the reliability and validity of the scales are provided. In addition to use by a worker's supervisor, the scales can be used by a vocational rehabilitation agency or counselor

in followup studies which evaluate the quality of counseling cutcomes, or it can be used to evaluate the effectiveness of job placement or training programs. Authorization to use the scales may be obtained by writing to Vocational Psychology Research, 406 Elliott Hall, University of Minnesota, Minneapolis, Minnesota 55455. (SB)

VT 012 824
Bibliography of CORE (Careers Oriented Relevant Education). Related Projects and Materials.

Oregon State Univ., Eugene. School of Education.
Office of Education (DHEW), Washington, D.C. Bureau of Research
MF AVAILABLE IN VT-ERIC SET.
OEG-0-9-470214-4522(085) 24
BR-9-0214
PUB DATE - 70 20p.

DESCRIPTORS - *BIBLIOGRAPHIES; VOCATIONAL EDUCATION; *PROGRAM DEVELOPMENT; *RESOURCE MATERIALS; *CAREER PLANNING; CAREER CHOICE; OCCUPATIONAL INFORMATION; INSTRUCTIONAL MATERIALS; CURRICULUM DEVELOPMENT; OCCUPATIONAL GUIDANCE; *RELEVANCE (EDUCATION)

ABSTRACT - This bibliography presents 220 citations, including conference reports, speeches, curriculums and program descriptions, research and project reports, instructional materials, and bibliographies. Listings are arranged alphabetically by author and provide information pertaining to the title and source of the document as well as the date and page listing. This bibliography is related to occupational education programs. (JS)

VT 012 825 ED 049 371
Dupont, Julie A.
Women--Their Social and Economic Status. Selected References.

Department of Labor, Washington, D.C. Library.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Dec70 46p.

DESCRIPTORS - *BIBLIOGRAPHIES; *FEMALES; *SOCIAL STATUS; *ECONOMIC STATUS; WORKING WOMEN; FEDERAL LEGISLATION

ABSTRACT - The 396 publications that treat various aspects of the social and economic status of women are organized alphabetically by author under these categories: (1) General, (2) Historical, and (3) 19th and 20th Centuries. Each entry includes the author, title, publication information, pagination, an occasional description of the contents, Library of Congress call number, and symbols representing the library holding the document. In addition to the bibliography, a brief description of the Women's Bureau and legislation relating to its founding, and an annotated listing of 23 collections of materials relating to women are provided. (SB)

VT 012 833 ED 049 372
Employment Contexts and Disadvantaged Workers. Phase 1, Final Report.

Bureau of Social Science Research, Inc., Washington, D.C.
Manpower Administration (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
BSSR:421
Bureau of Social Science Research, Inc., 1200-17th Street, N.W., Washington, D.C. 20036 ($2.00).
PUB DATE - Feb70 69p.

DESCRIPTORS - *WELFARE RECIPIENTS; *RESEARCH METHODOLOGY; *VOCATIONAL FOLLOWUP; *RESEARCH DESIGN; *EMPLOYMENT PROGRAMS; EMPLOYMENT; SUCCESS FACTORS; JOB PLACEMENT; ADULT VOCATIONAL EDUCATION; FEDERAL PROGRAMS; EMPLOYER ATTITUDES
IDENTIFIERS - *WORK INCENTIVE PROGRAM; WIN

ABSTRACT - The first phase of a two-phase study of the employment success of welfare recipients trained and placed under the Work-Incentive (WIN) program is summarized. During this phase the methodology for the study was developed, including questionnaire structure, model field procedures, and study design. Preliminary instruments and procedures were tested in Denver, San Diego, San Bernadino, and Washington, D.C. on the basis of which the questionnaires and research design were revised and tested several times. Although conclusions on such aspects of employment as vocational adjustment and employer attitudes will not be made until Phase II, the field experiences of Phase I did result in considerable data on WIN placements. (BH)

VT 012 845 ED 049 374
Toward A New Activism: Youth's Role in a Changing Society. Final Report.

Governor's Commission for Youth Involvement, Olympia, Wash.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - May70 47p.

DESCRIPTORS - GENERATION GAP; SOCIAL ACTION; POLITICAL ATTITUDES; *SOCIAL CHANGE; *STUDENT ALIENATION; SOCIAL VALUES; *ACTIVISM; SOCIAL PROBLEMS; *YOUTH; *CIVIL LIBERTIES

ABSTRACT - The Commission for Youth Involvement was formed to examine existing programs and recommend better methods to facilitate youth participation in state and community affairs. The commission studied education, social problems, State government, community government, the present political system, and youth and the law. Recommendations included: (1) that youth form a political action organization with the help of the governor, (2) that State law be changed to conform to reality in such matters as curfew, rights in court, drug use, and modern morality, and (3) the formation of a State office for social action. (BH)

VT 012 848 ED 048 498
Working Children. A Report on Child Labor.

Wage and Hour and Public Contracts Division (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 70 21p.

DESCRIPTORS - *CHILD LABOR; *FEDERAL LAWS; *EMPLOYMENT STATISTICS; WORKING HOURS; WORK ENVIRONMENT; *LAW ENFORCEMENT; *CHILD LABOR LAWS; TABLES (DATA)
IDENTIFIERS - *FAIR LABOR STANDARDS ACT

ABSTRACT - This report describes violations of Federal child labor laws. Included are statistics on illegal employment in 1969, according to region, age, school grade, and occupation. This document is a revision of ED 034 026 (VT 009 519, ARM Summer 1970). (BH)

VT 012 852 ED 048 499
Biekert, Russell
An Experimental Comparisen of Two Methods of Teaching Numerical Control Manual Programming Concepts: Visual Media Versus Hands-On Equipment.

DOCUMENT NOT AVAILABLE FROM EDRS.
University Microfilms, Inc., P.O. Box 1764, Ann Arbor, Michigan 48106 (MF $4.00, Xerography $10.00).
PUB DATE - Jun71 189p.

DESCRIPTORS - *TEACHING METHODS; STUDENT INTERESTS; DOCTORAL THESES; COMPARATIVE ANALYSIS; TRADE AND INDUSTRIAL EDUCATION; *PROGRAMERS; AUTOMATION; *NUMERICAL CONTROL; *ACTIVITY LEARNING; EDUCATIONAL EXPERIMENTS; VISUAL LEARNING; PERFORMANCE; ACHIEVEMENT

ABSTRACT - Accompanying the rapid changes in technology has been a greater dependence on automation and numerical control, which has resulted in the need to find ways of preparing programers for industrial machines using numerical control. To compare the hands-on equipment method and a visual media method of teaching numerical control, an experimental and a control group of 47 college industrial technical education students were selected. The analysis of data collected by means of an achievement test, a performance test, and an interest inventory revealed no significant difference between the two methods. A major conclusion was that college students enrolled in a general metals course have relatively equal success at programing point-to-point numerical control problems from either a hands-on equipment method or a visual media method. This Ed.D. dissertation was presented to Arizona State University. (Author/JS)

VT 012 853 ED 048 500
Auer, Herbert John
A Comparison of Student-Designed-Circuit and Predesigned-CIrcuit Analysis Methods for College Students' Electricity Laboratory Experience.

DOCUMENT NOT AVAILABLE FROM EDRS.
University Microfilms, Inc., P.O. Box 1764, Ann Arbor, Michigan 48106 (MF-$4.00, Xerography $10.00).
PUB DATE - Jun71 306p.

DESCRIPTORS - *INDUSTRIAL EDUCATION; COMPARATIVE ANALYSIS; DOCTORAL THESES; *TEACHING METHODS; *ELECTRONICS; *TEACHING TECHNIQUES; STUDENT ATTITUDES; *ELECTRICITY; PROBLEM SOLVING; CONCEPT TEACHING; ACADEMIC ACHIEVEMENT; LABORATORY TRAINING; EDUCATIONAL EXPERIMENTS

ABSTRACT - For some time industrial educators have been concerned with effective methods of teaching electricity-electronics. This study compared the relative effectiveness of the predesigned-circuit method with a student-designed circuit method for students' laboratory experience. Using one unit of college-level industrial education electricity-for-electronics course, the bases for comparison were: (1) composite knowledge of the study unit subject matter, (2) electrical problem-solving ability, (3) knowledge of concepts and principles, and (4) group's treatment consisted of laboratory analysis of redesigned circuits in a published laboratory manual. The experimental group's treatment involved the same circuit topics, but the circuits were student-designed to meet instructor-given specifications before laboratory analysis. Statistical analysis of the collected data revealed no significant difference between the two methods. Further research regarding laboratory experiences in electricity-electronics education was recommended. This Ed.D dissertation was presented to Arizona State University. (Author/JS)

VT 012 854 ED 048 501
Improving The Nation's Manpower Efforts. A Position Paper.

National Manpower Policy Task Force, Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
National Manpower Policy Task Force, 1819 H Street, N.W., Washington, D.C. 20006 ($0.60)
PUB DATE - 12Feb70 14p.

DESCRIPTORS - CULTURALLY DISADVANTAGED; *MANPOWER DEVELOPMENT; *PUBLIC POLICY; *FEDERAL PROGRAMS; *FEDERAL LEGISLATION; PROGRAM DEVELOPMENT

ABSTRACT - This booklet describes three legislative bills to reform existing federal manpower programs. The proposals share an emphasis on a single comprehensive manpower program for the disadvantaged, using state and local planning of flexible programs to meet local needs. A Combination of the three proposals is recommended. (BH)

VT 012 855 ED 049 375
Conference on Upgrading and New Careers.

National Manpower Policy Task Force, Washington, D.C.
Manpower Administration (DOL), Washington, D.C. Office of Research and Development
EDRS PRICE MF-$0.65 HC-$6.58
National Manpower Policy Task Force, 1819 H Street, N.W., Washington, D.C. 20006 ($5.00).

PUB DATE - 20Mar70 133p.

DESCRIPTORS - *CULTURALLY DISADVANTAGED; *JOB DEVELOPMENT; *MANPOWER UTILIZATION; *OCCUPATIONAL MOBILITY; *EMPLOYMENT PROGRAMS; FEDERAL AID; CAREER OPPORTUNITIES; PROMOTION (OCCUPATIONAL); MANPOWER DEVELOPMENT; CONFERENCE REPORTS; CAREER LADDERS

ABSTRACT - This conference met to consider the political and financial problems in providing government-financed programs to improve upgrading in private and public jobs. The morning session was devoted to federal support of upgrading in industry. In the afternoon session, participants discussed new careers in the service sector, including civil service employment. The eight papers were presented by Seymour Brandwein, Samuel Marks, Dennis Derryck, Eleanor Gilpatrick, Jean Couturier, Sumner Rosen, Arnold Nemore, and Sidney Fine. (BH)

VT 012 856 ED 049 376
Shea, John R., And Others
Years for Decision: A Longitudinal Study of the Educational and Labor Market Experience of Young Women. Volume One.

Ohio State Univ., Columbus. Center for Human Resource Research.
Manpower Administration (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$9.87
PUB DATE - Feb71 245p.

DESCRIPTORS - *SOCIOECONOMIC STATUS; *DEMOGRAPHY; *YOUTH EMPLOYMENT; *EDUCATIONAL DEMAND; *FEMALES; OCCUPATIONAL MOBILITY; EMPLOYMENT OPPORTUNITIES; LONGITUDINAL STUDIES; WORK ATTITUDES; NEGRO EMPLOYMENT

ABSTRACT - Data collected in a 1968 interview survey of a national probability sample of young women 14-24 years of age are the basis for a 5-year longitudinal study of employment and educational experience. The report analyzes work experience, educational background, labor market status, work attitudes, and plans for the future. Future analysis will use changes in the variables to determine the effects of socioeconomic and demographic factors on education and employment decisions. Studies of other population subgroups, divided by age and sex, have been conducted by The Center for Human Resource Research, and are available in past issues of Research in Education. (BH)

VT 012 858 ED 048 502
Cape, William H., Ed.
Hiring the Disadvantaged.

North Carolina Univ., Chapel Hill. Inst. of Government.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Institute of Government, Box 990, Chapel Hill, N.C. 27514 ($2.00).
PUB DATE - 70 89p.

DESCRIPTORS - *CULTURALLY DISADVANTAGED; *EMPLOYMENT OPPORTUNITIES; *EMPLOYMENT PROBLEMS; *GOVERNMENT EMPLOYEES; EMPLOYMENT PROGRAMS; MANPOWER DEVELOPMENT; EQUAL OPPORTUNITIES (JOBS); *MANPOWER UTILIZATION; EMPLOYMENT PRACTICES; CONFERENCE REPORTS

ABSTRACT - To provide an opportunity for state and local government officials to exchange information on the problem of providing public employment for the disadvantaged, a 2-day workshop was held at the University of North Carolina in November 1969. This report includes a resume of the workshop sessions and nine papers presented by participants. All aspects of the problem were discussed, with emphasis on maintaining merit principles while removing unnecessary job barriers. (BH)

VT 012 859 ED 049 377
Wroot, Richard Everatt
A Study of the Need for Pedagogical Training as Perceived by the Staff of the Alberta Institutes of Technology.

EDRS PRICE MF-$0.65 HC-$9.87.
PUB DATE - 70 202p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *EFFECTIVE TEACHING; INSERVICE TEACHING; TEACHING METHODS; *TEACHING SKILLS; OPINIONS; TEACHER ATTITUDES; ADMINISTRATOR ATTITUDES; MASTERS THESES; *EDUCATIONAL NEEDS; SKILL DEVELOPMENT; PRESERVICE EDUCATION; *TEACHER EDUCATION

ABSTRACT - The main purpose of this study was to determine the need for pedagogical training as perceived by practicing instructors and academic administrators in two postsecondary technical and vocational institutes. To collect the needed data an instrument was developed to elicit opinions on (1) the importance and need of certain skills and knowledges to an instructor, (2) the helpfulness of suggested inservice and supervisory activities in the improvement of instruction, and (3) the best methods for developing practical teaching skills in the beginning instructor. Statistical analysis revealed that: (1) Competencies important to an instructor include communication skills, school management, and the development and maintenance of discipline, (2) Inservice and supervisory activities helpful in improving teaching include demonstrations of teaching methods, practice teaching with video-tapes, and observation of fellow instructors, (3) The most effective methods for developing practical teaching skills in a new instructor are a period of internship, student teaching, or practice teaching sessions, and (4) The perceived need for pedagogical training is influenced by such factors as work area, staff position, and technical qualifications. This M.A. thesis was presented to the University of Alberta. (Author/JS)

VT 012 861
The Michigan Manpower Study, Summary Report. An Analysis of the Characteristics of Michigan's Labor Force in the Next 15 Years.

Battelle Memorial Inst., Columbus, Ohio.

Manpower and Regional Economics Div.
Michigan State Dept. of Labor, Detroit.
Employment Security Commission
Michigan State Dept. of Education, Lansing.
Div. of Vocational Education
Michigan State Dept. of Commerce, Lansing.
State Resource Planning Div.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Nov66 16p.

DESCRIPTORS - *EMPLOYMENT PROJECTIONS; *LABOR FORCE; *TECHNOLOGICAL ADVANCEMENT; *EDUCATIONAL NEEDS; *DEMOGRAPHY; ECONOMIC PROGRESS; EMPLOYMENT TRENDS; ECONOMIC CLIMATE; ACADEMIC ACHIEVEMENT
IDENTIFIERS - MICHIGAN

ABSTRACT - The Michigan Manpower Study developed the methodology for projecting labor force characteristics such as education, occupation, and industry. Projections for the Michigan labor force in 1970, 1975, and 1980 are intended to aid in the state's educational planning. Using educational attainment to compare supply and demand, the labor market analysis quantifies the growing importance of formal education in job preparation. Employment projections for the state, within the framework of a predicted state and national economic climate in the 1970's, show increased proportions of white-collar workers and professional personnel. (BH)

VT 012 862 ED 048 503
Taylor, Celianna I.; Magisos, Joel H.
Guide For State Vocational-Technical Education Information Dissemination Systems. Research and Development Series No. 47.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$9.87
The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210.
PUB DATE - 71 206p.

DESCRIPTORS - *RESEARCH COORDINATING UNITS; EDUCATIONAL RESOURCES; RESEARCH UTILIZATION; STATE PROGRAMS; *VOCATIONAL EDUCATION; MODELS; *INFORMATION DISSEMINATION; INFORMATION NETWORKS; *INFORMATION SYSTEMS; INFORMATION UTILIZATION; INFORMATION NEEDS; EDUCATIONAL PLANNING; *PROGRAM GUIDES; EDUCATIONAL OBJECTIVES; PROGRAM EVALUATION; PROBLEM SOLVING

ABSTRACT - The State Research Coordination Units (RCU's) are in an optimum position to provide linkage between the Educational Resources Information Center (ERIC) and its users as part of a comprehensive vocational-technical education information dissemination system. Realizing this, the Center for Vocational and Technical Education developed this guide with the assistance of RCU personnel. The Guide offers a means of facilitating the information dissemination provision of the Vocational Education Act Amendments of 1968, strengthened by the development of an effective linkage with ERIC and the ERIC Clearinghouse on Vocational Education, greater knowledge of the total system by participants, and attention to sound principles of program planning and operation. An overview of the problem, guiding principles, essential planning considerations, and steps in implementation are included. Professional personnel should find the guide flexible enough to permit use at different levels and stages of information dissemination efforts. Appendixes and attachments help explain the uses and resources of ERIC. (CD)

VT 012 865 ED 048 504
Follow-Up of Selected MDTA Programs.

Utah Research Coordinating Unit for Vocational and Technical Education, Salt Lake City.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
PUB DATE - 70 20p.

DESCRIPTORS - *ADULT VOCATIONAL EDUCATION; *FEDERAL PROGRAMS; PROGRAM EVALUATION; *VOCATIONAL FOLLOWUP; *GRADUATE SURVEYS; EMPLOYER ATTITUDES
IDENTIFIERS - *MANPOWER DEVELOPMENT AND TRAINING ACT PROGRAMS; MDTA PROGRAMS; UTAH

ABSTRACT - To evaluate the effectiveness of Manpower Development and Training Act programs in Utah in terms of graduates' job success and employer and trainee attitudes, 105 graduates and their employers were surveyed. Usable responses from a third of the graduates and half the employers proved the training to be quite effective. Because of inadequate placement and followup, the report recommends active placement efforts by the Employment Security office near the end of each training period, with more effective means of followup than mailed questionnaires. (Not available in hard copy due to marginal legibility of original document.) (BH)

VT 012 866 ED 048 505
Industrial Arts Teacher Education Fellowship Program in the Technologies, 1969-1970.

West Virginia Univ., Morgantown. Coll. of Human Resources and Education.
EDRS PRICE MF-$0.65 HC-$3.29
College of Human Resources and Education, Division of Education, West Virginia University, Morgantown, W.Va. 26506 (single copies without charge; send stamped self-addressed mailing envelope, size 7X10).
PUB DATE - ND 76p.

DESCRIPTORS - *INDUSTRIAL ARTS TEACHERS; INDUSTRIAL ARTS; TEACHER EDUCATORS; TECHNOLOGY; *TEACHER PROGRAMS; EDUCATIONAL PLANNING; *LEADERSHIP TRAINING; *PROGRAM DEVELOPMENT; FELLOWSHIPS; *TEACHER EDUCATION; MODELS

ABSTRACT - Ten teacher educators took part in the 1-year fellowship program which focused on leadership and program development for teacher education in the technologies. The implications of the content and knowledge structures of current technology for teacher

preparation, and the establishment of learner-oriented programs for a technological society were the primary concerns of the program. Two program models were developed, entitled: (1) Rationale and Structure of a Model Program for the Education of Teacher-Scholars in Technology, and (2) Technology--A Base for Industrial Arts Teacher Education. These models should provide industrial arts teacher educators with new insights for changing current programs. (GEB)

VT 012 868
Hyatt, Norman F.
Potential Lifetime Earnings Based on Job Classifications and Formal Education. Final Report.

Utah Research Coordinating Unit for Vocational and Technical Education, Salt Lake City.
Office of Education (DHEW), Washington, D.C. Bureau of Research
MF AVAILABLE IN VT-ERIC SET.
OEG-4-7-063046-1612 08
BR-6-3046
PUB DATE - Feb71 24p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *INCOME; RESEARCH NEEDS; *EDUCATION; EMPLOYMENT LEVEL; MATHEMATICAL MODELS; JOB ANALYSIS; OCCUPATIONAL INFORMATION; DATA ANALYSIS; *WORK LIFE EXPECTANCY; TABLES (DATA); *EMPLOYMENT POTENTIAL

ABSTRACT - This research effort consisted primarily of estimating potential lifetime earnings for Utah's male labor force according to the number employed, educational access level, entry age, and years of special training. The results of this study led to the recommendation that a comprehensive study of earnings of Utah's labor force be undertaken using life history data as the base. Included are several data tables which present the potential lifetime earnings. (JS)

VT 012 870 ED 049 378
Lloyd, Glenna G.
A Study of the Causes of Physical and Emotional Problems Encountered by Older Women Returning to Secretarial Employment After A Prolonged Absence. Final Report.

Utah Research Coordinating Unit for Vocational and Technical Education, Salt Lake City.
Office of Education (DHEW), Washington, D.C. Bureau of Research
EDRS PRICE MF-$0.65 HC-$3.29
OEG-4-7-063046-1612 08
BR-6-3046
PUB DATE - Jul70 86p.

DESCRIPTORS - *OFFICE OCCUPATIONS EDUCATION; BUSINESS EDUCATION; *SECRETARIES; *WORKING WOMEN; EDUCATIONAL NEEDS; EMOTIONAL PROBLEMS; *VOCATIONAL ADJUSTMENT; VOCATIONAL RETRAINING; *MIDDLE AGED; AGE

ABSTRACT - The problem of this study was to identify the cause of the physical and emotional problems encountered by older women who have returned to work after a prolonged absence. Such information, it was believed, would be valuable to business and educational institutions in retraining or updating prospective secretarial employees. Data for the study were gathered by a mail questionnaire sent to older women currently working for 17 business firms in the Salt Lake-Ogden-Provo market area. Several conclusions were formulated as a result of the findings. Among these conclusions were that (1) Family obligations and age are the causes of most emotional anxiety for older women returning to secretarial employment, (2) Lack of proficiency in the technical skills is an area of major concern to older women, and (3) A workshop or similar review course in the secretarial skills is desirable to enable older women to return to work in secretarial positions. One recommendation is that schools on the postsecondary level develop and initiate programs for the retraining of older women in the secretarial skills. (Author)

VT 012 872
Dunaye, Thomas M.
Health Planning: A Bibliography of Basic Readings. Exchange Bibliography No. 168.

Council of Planning Librarians, Monticello, Ill.
MF AVAILABLE IN VT-ERIC SET.
Council of Planning Librarians, P.O. Box 229, Monticello, Illinois 61856 ($1.50).
PUB DATE - Jan71 11p.

DESCRIPTORS - *BIBLIOGRAPHIES; *HEALTH SERVICES; *PROGRAM PLANNING; PROGRAM COSTS; PROGRAM DEVELOPMENT; PROGRAM ADMINISTRATION; HEALTH FACILITIES; REGIONAL PROGRAMS

ABSTRACT - The 132 entries on health planning, with publication dates ranging from 1953 to 1970, are organized alphabetically by author under these categories: (1) Books, (2) Reports and Professional Publications, (3) Journal Articles, and (4) Bibliographies. Included in the citations are the title, publication information for books, and journal source, volume, and pagination. (SB)

VT 012 874 ED 048 506
Andreyka, Robert E.
A Survey and Analysis of the Educational Tasks of Ohio's Post High School Technical Instructors: Implications for Teacher Education.

DOCUMENT NOT AVAILABLE FROM EDRS.
University Microfilms, Inc., P.O. Box 1764, Ann Arbor, Michigan 48106 (order no. 70-16531, MF $4.00, Xerography $10.00).
PUB DATE - 69 262p.

DESCRIPTORS - *TECHNICAL EDUCATION; STATE SURVEYS; TEACHER RESPONSIBILITY; *TEACHER ATTITUDES; EDUCATIONAL NEEDS; *TEACHER EDUCATION; *POST SECONDARY EDUCATION; TEACHER BACKGROUND; *TASK ANALYSIS; VOCATIONAL EDUCATION TEACHERS

ABSTRACT - To determine technical

instructors' attitudes regarding their educational tasks, this study analyzed their backgrounds, as well as their perceptions of their tasks and needs. A questionnaire mailed to 530 postsecondary technical instructors in Ohio resulted in nearly 400 usable responses. The respondents were classified by technology groups, and the results were compared for differences. Statistical analysis of the responses of the full-time instructors, who were found to identify the significant tasks more accurately than part-time instructors showed several areas of competence important for technical teaching. These results affect program planning for technical teacher education. This Ph.D. dissertation was submitted to Kent State University. (BH)

VT 012 878 ED 048 507
Rosen, Doris B.
Employment Testing And Minority Groups, As Reported in the Literature. Key Issues Series -No. 6.

State Univ. of New York, Ithaca. School of Industrial and Labor Relations at Cornell Univ.
EDRS PRICE MF-$0.65 HC-$3.29
Public Information Center, School of Industrial and Labor Relations, Cornell University, Ithaca, New York 14850 ($2.00, Checks made payable to N.Y.S. School of Industrial and Labor Relations)
PUB DATE - Jun70 35p.

DESCRIPTORS - *MINORITY GROUPS; EMPLOYMENT PROBLEMS; *CULTURE FREE TESTS; *TEST INTERPRETATION; *TESTING PROBLEMS; *TEST BIAS; TEST VALIDITY; TEST RELIABILITY; TASK PERFORMANCE; EQUAL OPPORTUNITIES (JOBS)

ABSTRACT - This report reviews the employment testing of minorities and discusses the limitations of the test results. Statistical validation of test results is stressed as a means to avoid cultural bias and avoid discriminatory screening tests. Noting that fair hiring practices and valid tests may not be enough to provide equal employment opportunities for blacks, the report concludes that educational programs must provide the upgrading necessary for skilled employment. (BH)

VT 012 880 ED 048 508
Cooperative Occupational Education Programs--A Conference Seminar To Extend The Range of Vocational Education. Final Report.

City Univ. of New York, N.Y. Cooperative Vocational Education Inst.
Office of Education (DHEW), Washington, D.C. Bureau of Research
EDRS PRICE MF-$0.65 HC-$6.58
OEG-0-9-420344-3750 52
BR-9-0344
PUB DATE - Dec70 152p.

DESCRIPTORS - *COOPERATIVE EDUCATION; *VOCATIONAL EDUCATION; *PROGRAM DEVELOPMENT; EDUCATIONAL NEEDS; *EDUCATIONAL CHANGE; PROGRAM EVALUATION; *PROGRAM GUIDES; INSTRUCTOR COORDINATORS

ABSTRACT - This guide explains the basic concepts in cooperative education and describes the essential characteristics of effective program development and operation. The guide is the final report of a three-phase institute which developed, implemented, and evaluated plans for new directions in cooperative education. As a result of this investigation, the report provides guidelines and procedures for redirecting cooperative education. Nine papers presented by participants are appended. (BH)

VT 012 884 ED 048 509
Regional Medical Programs National Allied Health Conference (Warrenton, Va., April 26-29, 1970).

Health Services and Mental Health Administration (DHEW), Bethesda, Md. Regional Medical Programs Service.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Jan71 167p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; HEALTH OCCUPATIONS; *CONFERENCE REPORTS; COMMUNITY HEALTH SERVICES; *INTERPROFESSIONAL RELATIONSHIP; *HEALTH PROGRAMS; *REGIONAL PROGRAMS; PROFESSIONAL SERVICES; JOB DEVELOPMENT; RESEARCH NEEDS; COMMUNICATION (THOUGHT TRANSFER); COMMUNITY RESOURCES; COMMUNITY ROLE

ABSTRACT - A total of 174 representatives of 14 health professions from 54 Regional Medical Programs attended a 4-day conference to discuss means by which allied health professions can make a maximum contribution to the health service system through Regional Medical Programs. Conference activities included two panel presentations, reports of 10 task forces and five special interest groups, and these major presentations: (1) "Changing Perspectives in the Delivery of Health Care" by Ray E. Brown, (2) "The National Health Scene" by Irving J. Lewis, and (3) "Potential for Regional Medical Programs as Viewed by the Regional Director" by Harold Margulies. Texts of the major speeches and summaries and recommendations from conference activities are provided. (SB)

VT 012 887 ED 050 259
Annual Report of the Commission on Manpower and Full Employment.

Hawaii State Commission on Manpower and Free Employment, Honolulu.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Jan71 143p.

DESCRIPTORS - *MANPOWER DEVELOPMENT; *STATE PROGRAMS; *PROGRAM DESCRIPTIONS; *UNEMPLOYED; *PROGRAM PLANNING; PROGRAM EVALUATION; EMPLOYMENT PROBLEMS; LABOR MARKET IDENTIFIERS - HAWAII; COOPERATIVE AREA MANPOWER PLANNING SYSTEMS; CAMPS

ABSTRACT - This first annual report inventories the major state manpower programs during the past year and discusses the objectives of comprehensive manpower

planning, with emphasis on a series of legislative and administrative recommendations. The contributions of various manpower systems are discussed, including the Cooperative Area Manpower Planning System and the Immigration Service Center. Detailed descriptions of selected program activities are appended. (BH)

VT 012 888
National Apprenticeship Policy for Ophthalmic Finisher-Dispenser.

Manpower Administration (DOL), Washington, D.C. Bureau of Apprenticeship and Training.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 29p.

DESCRIPTORS - *APPRENTICESHIPS; *OPHTHALMOLOGY; *CRAFTSMEN; PROGRAM GUIDES; SKILLED OCCUPATIONS
IDENTIFIERS - *OPTICIANS

ABSTRACT - This program guide provides the fundamentals needed to establish local apprenticeship programs in the optical industry for the training of ophthalmic finisher-dispensers. Included are hours, wages, supervision, responsibilities, evaluation, related instruction, certification, safety regulations, and work experience schedules. Sample apprenticeship agreement and certification forms are appended. (BH)

VT 012 889
Minutes, Annual Meeting (Washington, D.C., April 22-24, 1970).

President's Committee on Employment of the Handicapped, Washington, D.C.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 70 49p.

DESCRIPTORS - *MEETINGS; *MENTALLY HANDICAPPED; *PHYSICALLY HANDICAPPED; *VOCATIONAL REHABILITATION; CHANGING ATTITUDES; DISCUSSION PROGRAMS; SHELTERED WORKSHOPS; CONFERENCE REPORTS; *NATIONAL ORGANIZATIONS

ABSTRACT - The handicapped were well represented at this annual meeting of the President's Committee on Employment of the Handicapped. Chairman Harold Russell's opening remarks emphasized the challenge of maintaining the quality of life for everyone, after which Vice-President Agnew presented Danny Scholl with the Handicapped American of the Year award. The following two sessions involved panel and round table discussions of sheltered workshops, adaptation of the job to the person, and attitudes toward the handicapped. (BH)

VT 012 890
Conference Report: Trade and Industrial Education Curriculum Materials (Atlanta, Ga., July 1-2, 1968).

Tennessee State Board for Vocational Education, Murfreesboro. Vocational Curriculum Lab.
Office of Education (DHEW), Washington, D.C. Bureau of Adult, Vocational and Library Programs.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - 68 21p.

DESCRIPTORS - *CONFERENCE REPORTS; *ADMINISTRATIVE PERSONNEL; CURRICULUM DEVELOPMENT; EDUCATIONAL DEVELOPMENT; *INSTRUCTIONAL MATERIALS; STUDY GUIDES; PROGRAMED MATERIALS; *TRADE AND INDUSTRIAL EDUCATION; *GROUP DISCUSSION

ABSTRACT - Nineteen representatives attended the 2-day conference to discuss methods for states in Region IV to cooperate in developing curriculum materials. The agenda, determined at the meeting, included discussion on the following topics: (1) instructional materials that have been developed by the states in Region IV and presently available, (2) instructional materials now being developed, (3) instructional materials needed, (4) problems connected with curriculum development, and (5) future meetings and activities of the group. Included are lists of materials available from several of the represented states. (GEB)

VT 012 891
Putnam, John F., Comp.;
Chismore, W. Dale, Comp.
Standard Terminology For Curriculum and Instruction In Local and State School Systems. State Educational Records and Report Series: Handbook VI.

National Center for Educational Statistics (DHEW/OE), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
OE-23052
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (HE5.223:23052, $3.00).
PUB DATE - 70 332p.

DESCRIPTORS - *CURRICULUM; *VOCABULARY; *REFERENCE BOOKS; *DEFINITIONS; EDUCATIONAL IMPROVEMENT; *LANGUAGE STANDARDIZATION; STANDARD SPOKEN USAGE

ABSTRACT - Meaningful evaluation of education requires that information reported by different school systems, states, and regions be comparable. The terminology definitions, and classifications of items in this handbook are intended to provide this needed standardization. The handbook identifies and defines or describes those items of information about curriculum and instruction which should be available on a comparable basis throughout the United States. Items are classified by a graduated numbering system under general headings of: (1) a school system, (2) a school, (3) a program of studies, (4) a self-contained class, course, or co-curricular activity, and (5) a section or instructional service activity. (BH)

VT 012 894
McClay, David R.
Agricultural Education: Some Concerns and Comforts.

American Vocational Association, Washington, D.C. Association of Teacher Educators in Agriculture.
MF AVAILABLE IN VT-ERIC SET.
Interstate Printers and Publishers, Inc., Danville, Illinois 61832.
PUB DATE - 70 13p.Presented at the American Vocational Association Convention (New Orleans, 1970).

DESCRIPTORS - *VOCATIONAL EDUCATION; *AGRICULTURAL EDUCATION; *TEACHER EDUCATORS; *EDUCATIONAL PHILOSOPHY; *CURRENT EVENTS; SPEECHES; EDUCATIONAL PROGRAMS; EDUCATIONAL PROBLEMS
IDENTIFIERS - *AATEA

ABSTRACT - Some current issues and recent events in agricultural education produce concern as well as comfort to agricultural educators. Too many parents believe that vocational education is designed for someone else's children. To provide programs that open doors of opportunity for youth rather than close them, educational leaders must build curriculums that are academic and vocational in nature. Exploratory agricultural experiences in elementary grades must be promoted. Allocation of limited money resources causes concern for agricultural programs because research necessary to justify these programs is lacking. However, agricultural leaders are making progress in convincing people that agriculture is more than farming, and the many programs that provide unlimited opportunities in agriculture other than farming are encouraging. These emerging agricultural courses demand more agricultural teachers. It is also encouraging to note that agricultural teachers are being chosen as leaders in conservation programs which are being established in secondary schools. (GB)

VT 012 898 ED 048 511
Mather, William G. III, and Others
Man, His Job, and the Environment: A Review and Annotated Bibliography of Selected Recent Research on Human Performance.

National Bureau of Standards (DOC), Washington, D.C. Technical Analysis Div. Bureau of Research and Engineering (Post Office Dept.), Washington, D.C. Human Factors Group
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
NBS-Spec-Pub-319,
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (C13.10:319. $1.00)
PUB DATE - Oct70 109p.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *PERFORMANCE; *FATIGUE (BIOLOGY); PHYSICAL ENVIRONMENT; HUMAN ENGINEERING; *PHYSICAL FITNESS; PHYSICAL CHARACTERISTICS; PSYCHOLOGY; PHYSIOLOGY; *STRESS VARIABLES; PSYCHOPHYSIOLOGY

ABSTRACT - Recent scientific literature was searched to review procedures currently being used to study human reactions to work and environmental stress. An ecological context is followed, considering task variables, environmental conditions, individual variations in subjects, and physiological, psychophysical, psychological, and sociological responses. The different types of research reviewed included analysis of on-the-job performance, simulations of real-life situations, laboratory experiments with human and nonhuman subjects, and clinical studies. A methodological program is suggested for measuring the expenditure of effort in work situations. (not recommended for hard copy due to marginal legibility of original document.) (BH)

VT 012 904 ED 049 379
Kruger, John Mott
Interaction Patterns of Industrial Arts Teachers in Laboratory Type Situations at the Junior High School Level.

DOCUMENT NOT AVAILABLE FROM EDRS.
University Microfilms, Inc., P.O. Box 1764, Ann Arbor, Michigan 48106 (order no. 71-20723, MF-$4.00, Xerography-$10.00).
PUB DATE - 71 161p.Ed.D. Dissertation, University of Northern Colorado.

DESCRIPTORS - *INTERACTION PROCESS ANALYSIS; *JUNIOR HIGH SCHOOLS; SECONDARY SCHOOL TEACHERS; *INDUSTRIAL ARTS; *CLASSROOM OBSERVATION TECHNIQUES; LABORATORY PROCEDURES; EDUCATIONAL METHODS; INTERACTION; *DOCTORAL THESES

ABSTRACT - The Industrial Arts Interaction Analysis System was used to study teacher-student behavior in junior high school industrial arts classes. Twenty industrial arts teachers were observed on three different occasions and the interaction between the teacher and students was recorded by two independent observers. The findings indicated that there was a pattern of interaction, that during administrative duties, demonstration, and lecture the teachers did nearly all of the talking, and that the Industrial Arts Situation Analysis System was capable of providing data concerning seven items in this junior high school industrial arts situation. It was concluded that the teachers need to know how to use their time more effectively, student response should be encouraged, and that an important nonverbal link exists between the teacher and class members. One recommendation was that industrial arts teacher education institutions should prepare future teachers to use their time more effectively. (GEB)

VT 012 908
The Law Against Age Discrimination in Employment.

Workplace Standards Administration (DOL), Washington, D.C. Wage and Hour Div.
MF AVAILABLE IN VT-ERIC SET.
WH-PUB-1303

PUB DATE - Sep70 9p.

DESCRIPTORS - *MIDDLE AGED; AGE DIFFERENCES; EMPLOYMENT PROBLEMS; SOCIAL DISCRIMINATION; *EMPLOYMENT PRACTICES; *EMPLOYMENT QUALIFICATIONS; *EQUAL OPPORTUNITIES (JOBS); *FEDERAL LAWS; LAW ENFORCEMENT; PRODUCTIVITY; CIVIL RIGHTS LEGISLATION
IDENTIFIERS - *AGE DISCRIMINATION IN EMPLOYMENT ACT; ADEA

ABSTRACT - The Age Discrimination in Employment Act protects persons 40-65 years of age from discrimination in hiring, discharge, leave, pay, promotions, and other areas of employment. This booklet describes the coverage and exemptions of the act with regard to employers, employment agencies, and labor unions. Several specific cases handled under the act are described, and misconceptions about older workers' productivity are explained. The report points out that older workers change jobs less often and have better attendance records than younger workers. (BH)

VT 012 910 ED 048 512
Law, Gordon F., Comp;
Schaefer, Carl J., Comp.
Vocational-Technical Terminology.

American Vocational Association, Washington, D.C. Committee on Publications.
EDRS PRICE MF-$0.65 HC-$3.29
Publication Sales, American Vocational Assoc., 1510 H Street, N.W., Washington, D.C. 20005 (Single Copies, $2.00)
PUB DATE - Mar71 80p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *TECHNICAL EDUCATION; *DEFINITIONS; VOCABULARY

ABSTRACT - This booklet was prepared by the American Vocational Association to meet the need for a common set of acceptable definitions for terminology used in vocational, technical, and practical arts education throughout the U.S. Included are approximately 269 definitions which were reviewed by professionals from all fields of vocational, technical, and practical arts education and evaluated by U.S. Office of Education representatives. (SB)

VT 012 913
Feasibility Study of Career Ladder Curriculum and Guidance and Counseling.

California State Advisory Council on Vocational Education and Technical Training, Sacramento.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - Jan71 24p.

DESCRIPTORS - *CAREER OPPORTUNITIES; CURRICULUM PLANNING; *CURRICULUM DESIGN; GUIDANCE COUNSELING; *FEASIBILITY STUDIES; MODELS; *GUIDANCE SERVICES; ELEMENTARY EDUCATION; SECONDARY EDUCATION; POST SECONDARY EDUCATION; PLACEMENT; *CAREER LADDERS; VOCATIONAL EDUCATION
IDENTIFIERS - *OCCUPATIONAL EXPLORATION

ABSTRACT - Discussions with council members, a review of relevant documents, contacts with legislative personnel, and interviews with vocational personnel in the California State Department of Education were the sources of information used to determine the feasibility of a "career ladder" curriculum. It was concluded that the career preparation of all people must be developed on a broad basis, that vocational education must be introduced at the kindergarten level and carried through the community college level, and that the career ladder concept may be the most desirable curriculum to achieve these results. Recommendations are that steps be taken to implement this program and to provide funds and a plan for the training of counselors to meet the needs of this program. (GEB)

VT 012 914
Hird, H. Richard; Lagace, Michel D.
Summer Employment of Ontario Secondary School Students, 1969.

Ontario Dept. of Labour, Toronto. Research Branch.
MF AVAILABLE IN VT-ERIC SET.
PUB DATE - Feb71 62p.

DESCRIPTORS - *STUDENT EMPLOYMENT; *SECONDARY SCHOOL STUDENTS; *EMPLOYMENT OPPORTUNITIES; QUESTIONNAIRES; *EMPLOYMENT PATTERNS
IDENTIFIERS - *SUMMER EMPLOYMENT

ABSTRACT - The Ontario Department of Labour in cooperation with the Ontario Department of Education surveyed 43,713 students in Grades 10, 11, 12 and 13 to determine the problems of secondary school students in obtaining summer jobs. Of the total surveys sent, 35,349 (80.9 percent) were returned suitable for use. Fifty-five schools were selected for sample population, representing 10 percent of the secondary schools in the province, stratified by 10 administrative regions and four population categories. General findings include: (1) The overall unemployment in the province was 3.9 percent, while that of teenagers in general was 9.4 percent, (2) Of the 78.6 percent of secondary students who looked for employment, 20 percent remained unemployed, (3) 84.2 percent of male students who sought employment were employed compared to 73.7 percent of the female students, (4) Personal or family contacts were the means for 45.2 percent locating jobs, and (5) The average employed male student earned $398 and the average female student $221 during the summer. Data are presented in 22 tables and a copy of the questionnaire and 24 supplemental tables are included in the appendix. (RR)

VT 012 925 ED 049 380
Major Programs 1970 Bureau of Labor Statistics.

Bureau of Labor Statistics (DOL), Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
PUB DATE - 70 51p.

DESCRIPTORS - *LABOR ECONOMICS; *INDUSTRIAL RELATIONS; *EMPLOYMENT STATISTICS; ECONOMIC PROGRESS; PRODUCTIVITY; *LABOR MARKET; LIVING STANDARDS; *GOVERNMENT PUBLICATIONS; FEDERAL GOVERNMENT; OCCUPATIONAL SURVEYS; FOREIGN CCUNTRIES; LABOR FORCE

ABSTRACT - This report provides an overview of the data available from the Bureau of Labor Statistics. Major Bureau activities are summarized in five subject groupings: (1) employment, (2) living conditions, (3) industrial relations, (4) economic growth, and (5) foreign labor research. The tabular format describes available data, coverage, sources, reference period, publications available, and usefulness of data. Listings of available data by state and area are appended. (Not available in hardcopy due to marginal legibility of print size in original document.) (BH)

VT 012 939 ED 050 263
Jelinek, Richard C. And Others
SUM (Service Unit Management): An Organizational Approach to Improved Patient Care.

Kellogg (W.K.) Foundation, Battle Creek, Mich.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Feb71 113p.

DESCRIPTORS - *HEALTH SERVICES; *HOSPITALS; *DIFFERENTIATED STAFFS; *MANAGEMENT SYSTEMS; *ADMINISTRATION; PERSONNEL EVALUATION; COST EFFECTIVENESS; UNIT COSTS; STAFF UTILIZATION; ANNOTATED BIBLIOGRAPHIES; SUBPROFESSIONALS
IDENTIFIERS - *SERVICE UNIT MANAGEMENT; SUM; NONNURSING TASKS

ABSTRACT - To evaluate the effectiveness of Service Unit Management (SUM) in reducing costs, improving quality of care, saving professional nursing time, increasing personnel satisfaction, and setting a stage for further improvements, a national questionnaire survey identified the characteristics of SUM units, and compared the performance of a total of 55 units with and without SUM. Data collected from each unit included personnel costs, quality of care, patient work load, personnel satisfaction, organizational tension and management style, personnel acceptance of SUM, assignment of responsibility, and type of SUM organization. Evaluation by a multi-disciplinary research team, representing the disciplines of industrial engineering, organizational science, and social psychology, revealed that in general SUM was serving the purposes claimed. In addition, the activities which characterize a unit management program were grouped as logistic and clerical, patient support, and administrative activities. Other findings are provided for the focus of SUM, organizational structure, unit manager qualifications, and the change process. An activities list and additional readings are appended, and an annotated bibliography of current literature on SUM is included. (SB)

VT 012 941 ED 048 513
Projected Activities for Fifth Funding Period and Annual Report. July 1, 1970 to January 31, 1971.

North Carolina State Univ., Raleigh. Center for Occupational Education.
National Center for Educational Research and Development (DHEW/OE), Washington, D.C. Div. of Comprehensive and Vocational Education
EDRS PRICE MF-$0.65 HC-$3.29
OEG-2-7-070348-2698 24
BR-7-0348
PUB DATE - 70 55p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *ANNUAL REPORTS; *PROGRAM DEVELOPMENT; *RESEARCH PROJECTS; *RESEARCH AND DEVELOPMENT CENTERS; PROGRAM PLANNING; POST SECONDARY EDUCATION; RURAL SCHOOLS; PROGRAM IMPROVEMENT; MODELS; PROGRAM EVALUATION; EDUCATIONAL OBJECTIVES
IDENTIFIERS - CENTER FOR OCCUPATIONAL EDUCATION

ABSTRACT - This document summarizes and describes the projected activities for the fifth funding period of the Center for Occupational Education. Specific projects and activities are directed toward achieving the following goals: (1) the development and implementation of comprehensive programs of occupational education in postsecondary institutions of the nation, (2) the development and implementation of programs of occupational education for persons in the formative years, (3) the improvement of programs of occupational education in the rural schools of the nation, and (4) the development and implementation of models and systems for evaluating programs of occupational education. A related document is available as VT 012 953 (also in this issue). (Author/JS)

VT 012 942 ED 049 381
Hughes, James J.
Cost-Benefit Aspects Of Manpower Retraining. Manpower Papers No. 2.

Department of Employment and Productivity, London (England).
DOCUMENT NOT AVAILABLE FROM EDRS.
Her Majesty's Stationery Office, 49 High Holborn, London, WC1, England ($.78)
PUB DATE - 70 49p.

DESCRIPTORS - *ADULT VOCATIONAL EDUCATION; *FEDERAL PROGRAMS; *COST EFFECTIVENESS; *LABOR ECONOMICS; *RESOURCE ALLOCATIONS; ECONOMIC RESEARCH: ECONOMIC CLIMATE; PROGRAM EVALUATION; FOREIGN COUNTRIES; EMPLOYMENT LEVEL; MANPOWER NEEDS
IDENTIFIERS - *MANPOWER DEVELOPMENT AND TRAINING ACT PROGRAMS; MDTA PROGRAMS

ABSTRACT - This report reviews the literature on cost-benefit analysis of retraining and discusses possible approaches to conducting such an analysis. Exemplary programs in Sweden and the United States are described. Despite the existence of externalities which preclude exact calculation of costs and benefits, the report concludes that retraining is desirable, since even the less

favorable results show that the programs are worthwhile. Programs with greater flexibility in responding to labor market conditions are recommended. (BH)

VT 012 951 ED 050 264
Vocational Education: Innovations Revolutionize Career Training. Education U.S.A. Special Report.

National School Public Relations Association, Washington, D.C.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
National School Public Relations Assn., 1201 16th Street, N.W., Washington, D.C. 20036 (no. 411-12780, $4.00).
PUB DATE - 71 67p.

DESCRIPTORS - *VOCATIONAL EDUCATION; REPORTS; *SCHOOL PERSONNEL; MANPOWER DEVELOPMENT; *EDUCATIONAL OPPORTUNITIES; *CAREER OPPORTUNITIES; EDUCATIONAL INNOVATION; *EDUCATIONAL PROGRAMS; GUIDANCE SERVICES; EDUCATIONAL TRENDS; PROJECTS; EXPENDITURES; OCCUPATIONAL INFORMATION
IDENTIFIERS - VOCATIONAL EDUCATION ACT OF 1963; VOCATIONAL EDUCATION AMENDMENTS OF 1968

ABSTRACT - This report was written to inform the educational community of new developments in the area of vocational education. The national concern for vocational education programs and the Vocational Education Acts of 1963 and 1968 as turning points are discussed. The concept of occupational education for all ages, action at the state level, and trends in the curriculum point out specific developments. The guidance and counseling services, and the accreditation, teacher education, and certification problems are outlined. Exemplary projects are classified as: (1) career development programs, (2) career guidance and counseling, (3) inner-city projects, (4) rural-oriented projects, (5) cooperative education programs, and (6) projects for disadvantaged youths. Authorizations and appropriations for various sections of the amendments are listed. (GEB)

VT 012 953 **ED 048 515**
The Continuation of the Center For Research, Development and Training In Occupational Education. Quarterly Report. 1 May 1969 To 31 July 1969.

North Carolina State Univ., Raleigh. Center For Occupational Education.
Office of Education (DHEW), Washington, D.C. Bureau of Research
EDRS PRICE MF-$0.65 HC-$3.29
OEG-7-070348-2698 24
BR-7-0348
PUB DATE - 69 32p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *RESEARCH AND DEVELOPMENT CENTERS; *PROGRAM EVALUATION; *REPORTS; *RESEARCH PROJECTS; PROGRAM PLANNING; PROGRAM BUDGETING; PROGRAM DEVELOPMENT; ADULT BASIC EDUCATION; MODELS; PROGRAM IMPROVEMENT; EDUCATIONAL OBJECTIVES
IDENTIFIERS - CENTER FOR OCCUPATIONAL EDUCATION

ABSTRACT - One of the major highlights of the last quarter was the review of the Center for Occupational Education by a review and evaluation panel from the Bureau of Research, U.S. Office of Education. This in-depth evaluation centered around the various projects and activities as identified by the Center's goals. Thus, these activities were primarily concerned with (1) increasing the accessibility of occupational education to the individual, (2) the effect of adult basic education on occupational adjustment and acculturation of low literate adults, (3) the development of postsecondary occupational education in the South. Other projects and activities included the application of a program planning and budgeting system to an educational research and development center and the development of a model exemplary program in occupational education for the middle grades. A related document is available as VT 012 941. (Also in this issue). (Author/JS)

VT 012 955 **ED 049 383**
Haynes, Suzanne Groweg
The Role of Texas' Secondary Schools in the Preparation of Youth for Employment.

Texas Univ., Austin. Center for the Study of Human Resources.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - ND 127p.

DESCRIPTORS - *SECONDARY EDUCATION; *STATE PROGRAMS; *VOCATIONAL EDUCATION; *PROGRAM EFFECTIVENESS; *EDUCATIONAL NEEDS; PROGRAM EVALUATION; MANPOWER NEEDS; RELEVANCE (EDUCATION); EDUCATIONAL PLANNING; VOCATIONAL FOLLOWUP; JOB PLACEMENT

ABSTRACT - This analysis of secondary vocational education in Texas considers enrollments, teacher units, expenditures, and placement, and their relationship with the State's changing occupational needs. The data came from the Texas Education Agency, the Texas Employment Commission, and various other public and private agencies. The small enrollment in vocational programs limits the system's success in meeting manpower needs. This problem is aggravated by a lack of relevancy of training for employment. Analysis of current and projected employment shows that the system has failed to adapt to a changing labor market. The report concludes that the Texas vocational system is inflexible, traditional, and behind the times. New and innovative courses will be necessary to make education meaningful and relevant. Recommendations included hiring a team of labor market consultants to evaluate present labor trends in Texas, removing home economics from the vocational curriculum, and setting up more new and innovative programs. (BH)

VT 012 958 **ED 049 384**
Zeller, Frederick A.; Miller, Robert W.
Strengthening Labor's Role in the War on Poverty. Labor Leadership Training for Community Action in Appalachia.

West Virginia Univ., Morgantown. West Virginia. Center for Appalachian Studies and Development.
Office of Economic Opportunity, Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
REP-SER-1
PUB DATE - ND 92p.

DESCRIPTORS - *MANPOWER UTILIZATION; *ACTION PROGRAMS (COMMUNITY); *POVERTY PROGRAMS; *LEADERSHIP TRAINING; TRAINEES; *PROGRAM EVALUATION; CASE STUDIES; PROJECT TRAINING METHODS
IDENTIFIERS - *APPALACHIA

ABSTRACT - This report describes the training provided by West Virginia University in cooperation with the AFL-CIO Appalachian Council, of 114 union leaders in the Appalachian Region for work in community action. Some objectives of the training periods, divided into four 1-week sessions, were to help the leaders organize low-income groups for effective self-help activities, to build support for the anti-poverty program within the ranks of labor, to get the trainees thoroughly committed to community action, and to help them realize the importance and relevance of their own roles. The project had a positive impact on improving the attitudes of labor members toward the people in Appalachia, it helped bring out the leader qualities in the trainees, and it strengthened many efforts toward erasing the poverty conditions. It was recommended that this type of program be considered in other areas of the country. (GEB)

VT 012 961 ED 048 516
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Winter 1970.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$9.87
Clearinghouse for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 (quarterly--Fall, Winter, Spring, Summer, $11.00 per year)
PUB DATE - 71 236p.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *INFORMATION DISSEMINATION; INDEXES (LOCATERS); *EDUCATIONAL RESEARCH; *VOCATIONAL EDUCATION; *TECHNICAL EDUCATION; CLEARINGHOUSES; RESEARCH MATERIALS

ABSTRACT - This quarterly publication announces the availability of documents acquired and processed by the Educational Resources Information Center (ERIC) Clearinghouse on Vocational and Technical Education. It contains abstracts of research and other materials which are useful to researchers, supervisors, teacher educators, education specialists, administrators, teachers, and others who have an interest in vocational and technical education. The abstracts are organized by topical groupings: (1) Administration and Supervision, (2) Curriculum, (3) Employment and Occupations, (4) Evaluation and Measurements, (5) Historical Studies, (6) Individuals with Special Needs, (7) Philosophy and Objectives, (8) Research Design, Development and Utilization, (9) Students, Occupational Guidance and Other Student Personnel Services, (10) Teachers and Teacher Education, (11) Teaching and Learning, and (12) Other Resources. Indexes provide the approach to the abstracts by (1) personal and institutional authors, (2) document accession number with a table showing ED numbers for documents available through the ERIC Document Reproduction Service, (3) vocational and supporting services, and (4) subjects. Documents which do not have an individual ED number are available in a separate microfiche set from the ERIC Document Reproduction Service (VT 012 962, also in this issue). (CD)

VT 012 962 ED 049 385
Microfiche Collection of Clearinghouse Documents Reported in Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Winter 1970.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$87.10 HC NOT AVAILABLE FROM EDRS.
PUB DATE - 71 11,413p.

DESCRIPTORS - *INDEXES (LOCATERS); *EDUCATIONAL RESEARCH; *VOCATIONAL EDUCATION; *TECHNICAL EDUCATION; CLEARINGHOUSES; RESOURCE MATERIALS; *ANNOTATED BIBLIOGRAPHIES; INFORMATION DISSEMINATION

ABSTRACT - Documents announced with VT numbers only in the Winter 1970 issue (VT 012 961) of "Abstracts of Research and Related Materials in Vocational and Technical Education" (ARM) are included in this microfiche set. Microfiche availability for these documents is shown on the ARM resume as MF AVAILABLE IN VT-ERIC SET. The microfiche set is arranged in the following sequence: (1) a Vocational Technical (VT) number index to documents in the microfiche collection, (2) the author index, the vocational and supporting services index, and the subject index from ARM, and (3) the full text of documents listed in the VT number index. The texts are filmed continuously in VT number sequence. The related document (VT 012 961) also appears in this issue. (CD)

VT 012 963 ED 049 386
Byram, Harold M.
A Five-State Try-Out and Demonstration Program to Determine the Generalizability of an Evaluation System for Local Programs of Vocational and Technical Education. Final Report.

Michigan State Univ., East Lansing. Coll. of Education.
National Center for Educational Research and

Development (DHEW/OE), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$6.58
OEG-0-8-070968-2829 08
BR-7-0968
PUB DATE - Feb71 133p.

DESCRIPTORS - *VOCATIONAL EDUCATION; DEMONSTRATION PROGRAMS; COMPARATIVE ANALYSIS; *PROGRAM EVALUATION; *GENERALIZATION; *EVALUATION TECHNIQUES; SCHOOL DISTRICTS; STATE OFFICIALS; *PILOT PROJECTS; WORKSHOPS; TECHNICAL EDUCATION

ABSTRACT - In a proposed five-state demonstration, the four states of Arkansas, Minnesota, Mississippi and Nevada implemented a local system of directing evaluations of vocational/technical education programs in public schools. The emphasis was on both the training of local leaders by state leaders and direction of evaluation programs by local leaders. Using the results of two previous projects, this particular project generalizes the findings to other states. The methods used to acquire and disseminate information were workshops, project reporting meetings, final report and project evaluation meetings, and on-site visits. The results of the project indicate that most of the evaluation procedures are applicable to other states, that some additional procedures were developed by individual states, and that program evaluation competencies were developed in the personnel involved in the project. It was recommended that states meeting the criteria for selection of states used in this study try out the systems. Further study and a nationwide training program were also recommended. (GEB)

VT 012 964 ED 049 387
Berryman, Doris L.
Development of Educational Programs for New Careers in Recreation Services for the Disabled.

New York Univ., N.Y. School of Education.
Office of Education (DHEW), Washington, D.C. Bureau of Research.
EDRS PRICE MF-$0.65 HC-$6.58
OEG-0-8-070654-3689(085) 08
BR-7-0654
PUB DATE - Mar71 140p.

DESCRIPTORS - *RECREATIONAL PROGRAMS; *CAREERS; *PHYSICALLY HANDICAPPED; *MANPOWER DEVELOPMENT; *EDUCATIONAL PROGRAMS; CAREER PLANNING; QUESTIONNAIRES; EVALUATION; COMPARATIVE ANALYSIS; JOB ANALYSIS

ABSTRACT - Paraprofessional recreation personnel in hospitals, extended care centers, homes for the aged, and recreation departments were surveyed to define their roles and functions. Visits to 28 job analysis sites helped to identify a total of 79 job tasks and functions. A working model for a career lattice in recreation, and suggested content for a training program were some of the results of a 2-day conference of recreation educators, consultants, experienced practitioners, and recreation assistants. In the resulting training program, two groups of trainees were used to test a field teaching approach which was evaluated by pre- and posttesting. The results indicated that the training program was effective, and that many participants were stimulated to consider careers in recreation. One recommendation was that the training program should be revised and refined. (GEB)

VT 012 966 ED 050 265
A Workshop for Allied Health Teaching Personnel in Developing Behaviorally-Oriented Learning Materials. Final Report, August 8, 1970-June 30, 1971.

Southern Illinois Univ., Carbondale.
Illinois State Board of Vocational Education and Rehabilitation, Springfield. Vocational and Technical Education Div.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - 71 137p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; *INSERVICE TEACHER EDUCATION; *BEHAVIORAL OBJECTIVES; *CONFERENCE REPORTS; WORKSHOPS; LEARNING ACTIVITIES; *MATERIAL DEVELOPMENT; INSTRUCTIONAL MATERIALS

ABSTRACT - A total of 94 teachers and administrators from 12 health related occupations attended four 2-day workshops held in Chicago, DeKalb, Springfield, and Carbondale, Illinois, which were designed to provide inservice allied health teaching personnel with information, instruction, and assistance in developing behaviorally-oriented learning materials for use in the classroom and laboratory situation. Workshop activities included analyzing selected health-related occupations, planning and writing behavioral objectives, preparing learning experiences from behavioral objectives, and modifying non-behavioral learning materials to behaviorally-oriented learning materials. Qualitative evaluation techniques were used to evaluate the performance of the workshop participants, and analysis revealed that the majority equalled or exceeded the level of acceptable performance. The general concensus of workshop staff and participants was that the objectives had been attained and that future activities should be planned. The participants expressed a need for further assistance in developing behaviorally-oriented courses of study and receiving guided assistance in implementing behavioral course materials. Several workshop materials are appended. (SB)

VT 012 968
Manpower Report of the President, Including a Report on Manpower Requirements, Resources, Utilization and Training.

Department of Labor, Washington, D.C.
DOCUMENT NOT AVAILABLE FROM EDRS.
Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (L.L.42/2:971, $2.50).
PUB DATE - Apr71 328p.

DESCRIPTORS - *MANPOWER DEVELOPMENT;

*MANPOWER NEEDS; *MANPOWER UTILIZATION; LABOR MARKET; LABOR PROBLEMS; RURAL AREAS; URBAN AREAS; GOVERNMENT ROLE; UNEMPLOYMENT; STATISTICAL DATA; TRAINING; EXPENDITURES; *FEDERAL PROGRAMS; MINORITY GROUPS

ABSTRACT - This ninth Manpower Report of the President contains an overview of the 1970 employment and unemployment record, new developments in Manpower programs, urban and rural labor market problems, and government expenditures and manpower requirements. Policies adapted by the administration have ended the output decline and indications are that employment and economic activity will increase. Considerable progress was made toward providing employment opportunities for all minority groups in 1970 and the proposed manpower revenue sharing act of 1971, contained in this report, indicates additional efforts in this direction. Extensive statistical data regarding the manpower developments in 1970 are appended. (GEB)

VT 012 969 ED 049 389
Proceedings of the Training Institute for Rural Disadvantaged, August 17-21, 1970.

North Dakota State Board for Vocational Education, Bismarck.
South Dakota State Div. of Vocational-Technical Education, Pierre.
Minnesota State Div. of Vocational Technical Education, St. Paul.
Office of Education (DHEW), Washington, D.C.
Bureau of Educational Personnel Development
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - ND 131p.

DESCRIPTORS - *CULTURALLY DISADVANTAGED; *INSTITUTES (TRAINING PROGRAMS); *VOCATIONAL EDUCATION; *PROFESSIONAL PERSONNEL; COUNSELORS; TEACHING TECHNIQUES; GUIDANCE PROGRAMS; ADULT EDUCATION; COOPERATIVE EDUCATION; EVALUATION; SECONDARY EDUCATION; POST SECONDARY EDUCATION

ABSTRACT - One hundred and nineteen professional workers in vocational education, including administrators, counselors, and teachers, attended the training institute that was designed to better prepare them to meet the needs of the rural disadvantaged through secondary, postsecondary, and adult vocational programs. Presentations included: (1) "Techniques for Teaching the Disadvantaged" by Charles F. Nichols, Sr., (2) "Vocational Education for the Disadvantaged: What Has Been Done" by Charles H. Rogers, (3) "Group Guidance and Exploratory Instruction" by Donald Priebe, (4) "Group Guidance and Exploratory Instruction" by Odell T. Barduson, (5) "Adapting Adult Education to the Disadvantaged" by Edgar Persons and Gary Leske, (6) "Adapting Cooperative Vocational Education Programs to Meet the Needs of the Rural Disadvantaged" by Max L. Amberson, and (7) "Evaluating Programs for the Disadvantaged" by Paul Marvin and George Cops. The Institute was evaluated by the participants and a committee, with the results recorded in this document. A followup study is to be made available at a later date. (GEB)

VT 012 975 ED 049 390
Vocational Education and the Area Schools. A Report to the State of Iowa Office of Planning and Programming.

Institute for Educational Development, New York, N.Y.
Department of Housing and Urban Development, Washington, D.C.
Iowa State Vocational Education Advisory Council, Des Moines.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - 31Aug70 199p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *COMPARATIVE ANALYSIS; COMMUNITY COLLEGES; OCCUPATIONAL INFORMATION; CAREER PLANNING; INTERVIEWS; LABOR FORCE; *EDUCATIONAL STATUS COMPARISON; *EDUCATIONAL NEEDS; SCHOOL ORGANIZATION; POST SECONDARY EDUCATION; TECHNICAL EDUCATION; *AREA VOCATIONAL SCHOOLS

ABSTRACT - Interviews, involving approximately 275 individuals, were conducted to analyze vocational education and community colleges in the State of Iowa. In addition, a limited survey was made of career education programs in secondary schools. The findings indicate that the area schools are open to all Iowans of post-high school age, that the students tend to come from families of modest income and are dependent upon part-time work, scholarships, and loans, and that some career education programs should be phased out. Recommendations covered the six areas of students and student services, curriculums and programs, professional staff, administrative organization, physical facilities, and finance. Three of the 46 specific recommendations were: (1) The state should concentrate on recruiting individuals who could best profit from vocational and technical education, (2) An overall master plan for all of Iowa education should be developed, and (3) The community colleges should be administered under state guidelines developed specifically for them. (GEB)

VT 012 976 ED 050 266
Bridging the Gap, An Independent Case Study.

Institute for Educational Development, New York, N.Y.
American Telephone and Telegraph Co., New York, N.Y.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - May70 67p.

DESCRIPTORS - *WORK ATTITUDES; INSTRUCTIONAL TRIPS; INSERVICE TEACHER EDUCATION; TEACHER WORKSHOPS; *OCCUPATIONAL GUIDANCE; *EMPLOYEE ATTITUDES; *STUDENT MOTIVATION; NONCOLLEGE PREPARATORY STUDENTS; DROPOUT PREVENTION; SCHOOL INDUSTRY RELATIONSHIP

ABSTRACT - American Telephone and Telegraph instigated this program to help students discover how their schooling relates to assuming the responsibilities of citizenship, useful careers, earning power and the

possibilities of work that satisfies. The four interrelated objectives are to: (1) help students who are underachievers, (2) break down barriers and bridge the communications gap between students, counselors, teachers, businessmen, and public officials, (3) improve the educational process, and (4) arrange for the cooperation of many businesses and public organizations. Five programs are available to accomplish these objectives: (1) 4-week counselor-teacher summer workshops, (2) 1-day teacher workshops at local businesses, (3) six half-day workshops for students, (4) all-year-long company resource programs, and (5) evening parent workshops. Guidelines for implementation and suggestions for conducting workshops are provided. Materials used for establishing and evaluating workshops which have been conducted are included in the appendix. (RR)

VT 012 983 **ED 049 391**
Jelden, David L., Ed.
Summaries of Studies in Industrial Arts, Trade and Industrial, and Technical Education for 1930- . Supplement.

American Council on Industrial Arts Teacher Education, Washington, D.C.
National Association of Industrial and Technical Education.
DOCUMENT NOT AVAILABLE FROM EDRS.
PUB DATE - ND 644p.

DESCRIPTORS - *INDUSTRIAL EDUCATION; *ABSTRACTS; *DOCTORAL THESES; *FIELD STUDIES; INDUSTRIAL ARTS; TRADE AND INDUSTRIAL EDUCATION; TECHNICAL EDUCATION; REFERENCE MATERIALS; EDUCATIONAL RESEARCH; *ANNOTATED BIBLIOGRAPHIES

ABSTRACT - This compilation of abstracts of dissertations and staff studies, listed alphabetically by author in a loose leaf arrangement, is designed to provide the teacher, student, and administrator of industrial arts, trade and industrial education, and technical education programs a single source of information regarding the research done in the field from 1930 to the present. Each of the approximately 650 abstracts include: author, title, degree, date, and granting institution. Most of the abstracts list availability of the document, purpose of the study, sources of data, methods of study, and findings and conclusions. This document includes revised abstracts plus new ones, and is compiled as a supplement to the original document of 962 abstracts available as ED 037 583 or VT 010 768 (ARM Fall 1970). (GEB)

VT 012 984 **ED 050 267**
Directory of Approved Allied Medical Educational Programs, 1971.

American Medical Association, Chicago, Ill. Council on Medical Education.
DOCUMENT NOT AVAILABLE FROM EDRS.
American Medical Association, Department of Allied Medical Professions and Services, 535 North Dearborn Street, Chicago, Illinois 60610.
PUB DATE - 71 308p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; TECHNICAL EDUCATION; SUBPROFESSIONALS; *PARAMEDICAL OCCUPATIONS; *DIRECTORIES; *EDUCATIONAL PROGRAMS; ADMISSION CRITERIA; PROGRAM LENGTH; FINANCIAL SUPPORT; ASSOCIATE DEGREES; CERTIFICATION

ABSTRACT - Intended as a reference for educators, students, and employers, this directory contains information about 2,498 allied medical educational programs, representing 14 occupations, which were approved as of July 15, 1970, by the Council on Medical Education of the American Medical Association (AMA) and 14 collaborating organizations. The programs are first presented in a consolidated listing which lists the institutions alphabetically by state and city and includes the sponsoring institution's address, the specific AMA-approved educational program(s), and, whenever possible, the name of the program director coordinator. In addition, the following information is presented for each of the 14 allied medical occupational categories: (1) a job description, (2) a discussion of the approval process and the minimum educational standards required for AMA approval, and (3) an alphabetical listing by state and city of approved educational programs, including sponsoring institution, program director, educational coordinator, entrance requirement, program length, student capacity, beginning date, tuition, stipend, scholarship, and degree or certificate awarded. An introductory section provides a brief discussion of the annual report on allied medical educational programs, and a bibliography of AMA and non-AMA publications is included. (SB)

VT 012 985 **ED 050 268**
Training of Health Service Personnel in the Veterans' Administration.

Congress of the U.S., Washington, D.C. House Committee on Veterans' Affairs.
EDRS PRICE MF-$0.65 HC-$6.58
House-Comm-Print-3
PUB DATE - 71 123p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; *EDUCATIONAL PROGRAMS; *HOSPITALS; PARAMEDICAL OCCUPATIONS; HEALTH OCCUPATIONS; *SUBPROFESSIONALS; *PROFESSIONAL OCCUPATIONS; FEDERAL PROGRAMS
IDENTIFIERS - *VETERANS ADMINISTRATION

ABSTRACT - During fiscal year 1970, more than 49,000 persons received training through the Veterans' Administration (VA) in 125 different health services programs, including 21,550 physicians, 1,359 dentists, and 26,142 trainees in the allied and administrative health fields. Many VA hospitals and out-patient clinics indicated that more than 12,000 additional trainees could be accomodated by September 1971 if funds were provided immediately for trainee stipends, instructor salaries, space modification, and other pertinent costs. This publication lists

the VA hospitals and outpatient clinics alphabetically for each of the 50 states, Washington, D.C., Puerto Rico, and the Philippines, and provides for each VA hospital and outpatient clinic, data concerning the health services training program accomplishments in fiscal year 1970 and the potential expansion by September 1971. (SB)

VT 012 989 ED **049 392**
Harris, E. Edward
Employer Preferences and Teacher-Coordinator Practices in Distributive Education. Region V--U.S. Office of Education.

Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
PUB DATE - 71 63p.

DESCRIPTORS - *DISTRIBUTIVE EDUCATION; *COOPERATIVE EDUCATION; QUESTIONNAIRES; *EMPLOYER ATTITUDES; *INSTRUCTOR COORDINATORS; COOPERATIVE PROGRAMS; VOCATIONAL EDUCATION; *EDUCATIONAL PRACTICE

ABSTRACT - Employer preferences and teacher-coordinator practices were studied and the results compiled to serve as an aid in implementing programs in cooperative vocational education, particularly on the secondary school level. A pilot study, involving 100 employers and 50 teacher coordinators, was conducted using the questionnaire technique, then was followed by a comprehensive study of 496 teacher-coordinators and 544 employers. The findings indicated that (1) employers in general merchandise and the automotive fields felt training sessions were more important than did employers in other fields, (2) employers who had trained four or more students in the past 2 years felt an advisory committee was very important, and (3) teacher-coordinators from inner city high schools felt a training agreement was less important than did schools from other locations. Specific recommendations were that teacher-coordinators should place increased emphasis on training plans, advisory committees, and training sponsors, and that placement activities must include a review of students in relation to particular expectations. (GEB)

VT 012 996 ED 049 393
Hanson, Doris E.
Workshop on Utilization and Training of Auxiliary Personnel in Home Economics. Final Report.

American Home Economics Association, Washington, D.C.
National Center for Educational Research and Development (DHEW/OE), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29
OEG-0-9-180543-4456 24
BR-9-0543
PUB DATE - Jun70 168p.

DESCRIPTORS - *HOME ECONOMICS EDUCATION; *WORKSHOPS; *ANCILLARY SERVICES; *MANPOWER DEVELOPMENT; *MANPOWER UTILIZATION; CONFERENCE REPORTS; JOB DEVELOPMENT; JOB TRAINING

ABSTRACT - The 197 participants, representing all areas of home economics, attended a 3-day national workshop on the training and utilization of auxiliary workers within the field of home economics. Workshop activities included a symposium of auxiliary personnel employed as aides in home economics-related occupations and group discussions which followed these major presentations: (1) "New Job Revolution" by J. Farmer, (2) "Legislation Affecting Auxiliary Personnel" by J.F. Jennings, (3) "Stresses, Strains, and Joys of Utilizing Auxiliary Personnel" by S.S. Steinberg, (4) "Guidelines for Designing New Careers" by S.A. Fine, (5) "Some Aspects of Leadership" by M.F. Clark, (6) "New Concepts for Household Occupations" by U.S.A. Bowen, and (7) "Societal Needs to be Served Through Auxiliary Personnel" by E.W. Schweider. Evaluations made daily, at the end of the workshop, and 6 months later revealed that the objectives had been met to some degree by the end of the workshop and that a few studies, surveys, and programs had been implemented by the 6-month followup. Lists of participants, preparatory materials, texts of major presentations, evaluation instruments, and packet materials are appended. (SB)

VT 013 009 ED 050 270
Borgen, Joseph A.; Davis, Dwight E.
A Research and Development Project in Occupational Education: The Development of Process Models for Decision-Making in Curriculum Development and Evaluation. Final Report of Phase I.

Joliet Junior Coll., Ill.
Illinois State Board of Vocational Education and Rehabilitation, Springfield. Vocational and Technical Education Div.
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Sep70 115p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *MODELS; *CURRICULUM DEVELOPMENT; CURRICULUM EVALUATION; LONGITUDINAL STUDIES; *DECISION MAKING; *CURRICULUM RESEARCH; CURRICULUM PLANNING; SYSTEMS APPROACH

ABSTRACT - Concern for quality vocational education programs and a decision-making system for curriculum development and evaluation led to the implementation of this four-phase project. The initial phase of the project involved: (1) a review of literature related to the development and application of process models to curriculum development and evolution, (2) the identification of consultants and resource agencies to be utilized in initial model development, and (3) future project planning in relation to project objectives, the involvement of state and local personnel, project testing and evaluation, dissemination, and budgeting. Curriculum models reviewed by the investigators included the objectives model, the project development model, the accreditation model, and the management-system model. One of the major recommendations of this initial phase called for a further investigation of the literature

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with respect to management systems in order to identify and compare their rationale, components, and elements. Also included in the report are the Project Proposal--Phase I, Consultants and Agencies Identified during Phase I, and Personnel Qualifications. (Author/JS)

VT 013 010 ED 050 271
Training the Poor. A Benefit-Cost Analysis of Manpower Programs in the U.S. Antipoverty Program.

Queen's Univ., Kingston (Ontario). Industrial Relations Centre.
Office of Manpower Policy, Evaluation and Research (DOL), Washington, D.C.
DOCUMENT NOT AVAILABLE FROM EDRS.
Res-Ser-12
Industrial Relations Centre, Queen's University, Kingston, Ontario, Canada.
PUB DATE - 71 153p.

DESCRIPTORS - *COST EFFECTIVENESS; INDIVIDUAL CHARACTERISTICS; *ADULT VOCATIONAL EDUCATION; *FEDERAL PROGRAMS; *UNEMPLOYED; *EVALUATION CRITERIA; RESOURCE ALLOCATIONS; PROGRAM EVALUATION; POVERTY PROGRAMS; EVALUATION TECHNIQUES; INCOME
IDENTIFIERS - *MANPOWER DEVELOPMENT AND TRAINING ACT PROGRAMS; MDTA PROGRAMS; MANPOWER IMPROVEMENT THROUGH COMMUNITY EFFORT; MITCE

ABSTRACT - This report critically reviews past benefit-cost studies of manpower programs and offers an alternative methodology for program evaluation. Because of selective admission criteria and a tendency to attribute all income changes to training, previous studies have had an upward bias in measuring the effectiveness of training. This study evaluates a community effort manpower program in which trainees were not selected on the basis of aptitude or intelligence. Nevertheless, the trainees were far from typical, so multiple regression analysis was used to isolate the effects of training on income. The results show a higher benefit-cost ratio for on-the-job training than for institutional training, especially for women. The report concluded that the program as a whole represents an efficient allocation of resources. (BH)

VT 013 011 ED 050 272
Vetter, Louise; Sethney, Barbara J.
Planning Ahead for the World of Work: Research Report Abstract, Teacher Manual, Student Materials, Transparency Masters. Research and Development Series No. 46.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Office of Education (DHEW), Washington, D.C. Bureau of Research
EDRS PRICE MF-$0.65 HC-$3.29
OEG-3-7-000158-2037 08
BR-7-0158
Center for Vocational and Technical Education, Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 (no charge).
PUB DATE - Jan71 85p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *INSTRUCTIONAL MATERIALS; TRANSPARENCIES; CURRICULUM DEVELOPMENT; *FEMALES; COMPARATIVE ANALYSIS; *CAREER PLANNING; SECONDARY EDUCATION; *OCCUPATIONAL INFORMATION; STUDENT ATTITUDES; PILOT PROJECTS; MANUALS
IDENTIFIERS - *OCCUPATIONAL EXPLORATION

ABSTRACT - Expanding educational and occupational opportunities for girls and women have occured as attitudes toward women workers have become more liberalized and as legislation has provided for such opportunities and changes. However, research has indicated that many secondary-school-age girls have unrealistic educational and vocational plans and incomplete knowledge of relevant facts about the world of work. Therefore, the purpose of this project was to develop a package of curriculum materials designed to aid girls in considering future alternatives in terms of labor force participation and adult female roles. Curriculum materials and a questionnaire consisting of attitude, objective, and demographic items were developed and pilot tested at the seventh, ninth, and eleventh grade levels. It was found that students at all grade levels gained information about the world of work and women's roles in employment through the use of these materials. A major recommendation was that, with slight revisions, the materials would be appropriate to use with classes of boys and girls. (Author)

VT 013 018
Iversen, Iver, And Others
The HELP Campaign--An Evaluation.

Kenny Rehabilitation Inst., Minneapolis, Minn.
Minnesota State Dept. of Education, St. Paul. Div. of Vocational Rehabilitation
EDRS PRICE MF-$0.65 HC-$6.58
PUB DATE - Dec70 173p.

DESCRIPTORS - *VOCATIONAL REHABILITATION; *PROGRAM EVALUATION; INTERVIEWS; QUESTIONNAIRES; COMPARATIVE ANALYSIS; DATA ANALYSIS; REHABILITATION COUNSELING; *INFORMATION DISSEMINATION; *HANDICAPPED; *COUNSELING EFFECTIVENESS
IDENTIFIERS - HELP Campaign

ABSTRACT - The nationwide promotional HELP campaign of public service announcements launched in 1968 was intended to encourage the disabled to seek appropriate rehabilitation services. A 6-month study was conducted to determine the effectiveness of the HELP campaign and the nature of those who responded. The procedure involved an analysis of the letters sent to HELP, interviews, questionnaires, and an analysis of case file data from the Division of Vocational Rehabilitation. Of the 1,100 individuals represented by 1,000 responses to HELP letters, seven out of twelve were disabled persons in the 16-59 age group. It was concluded that 5/12ths were suitable candidates for vocational rehabilitation and that 4/12ths could be helped by no known agency. Specific recommendations for future

programs of this nature are that they promise no more than can be delivered, and that they be immediately responsive. (GEB)

VT 013 020 ED 050 274
Keeping on Course. Report of the 1970 Regional Workshops of the Council of Diploma Programs.

National League for Nursing, New York, N.Y. Dept. of Diploma Programs.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Pub No 16-1418
National League for Nursing, Department of Diploma Programs, 10 Columbus Circle, New York, New York 10019 (Publication No. 16-1418, $1.75).
PUB DATE - 71 48p.

DESCRIPTORS - *HEALTH OCCUPATIONS EDUCATION; CONFERENCE REPORTS; *WORKSHOPS; *CURRICULUM DEVELOPMENT; *COURSE OBJECTIVES; *NURSING; TEACHING METHODS; COURSE CONTENT; EDUCATIONAL RESOURCES; LEARNING ACTIVITIES; CURRICULUM EVALUATION; COURSE EVALUATION; STUDENT EVALUATION

ABSTRACT - A total of 710 participants representing 371 agency members attended one of six 2-day workshops, which constituted the second phase of a 3-year curriculum development program and were designed to: (1) identify course objectives in relation to level objectives, (2) select subject matter and learning experiences appropriate to achievement of course objectives, (3) identify resources and teaching methods to achieve objectives, and (4) introduce concepts of evaluation of the total curriculum, the courses, and the students. Utilizing the 1969 report as a base, workshop objectives were met through group work and reactions to these major presentations: (1) "The Concepts of Evaluation as Related to the Total Curriculum, Individual Courses, and Students" by M.L. Dyer, and (2) "Our Course Leads to Evaluation" by L. Ulrich and S.W. Rayfield. Texts of the major presentations are included, and workshop materials are appended. The 1969 workshop report, "Level Objectives: Development and Use in the Curriculum," is available as ED 039 356 (VT 011 088, ARM Fall 1970).

VT 013 045 ED 049 394
Anthony, William Philip
A Study of the Effectiveness of Public Postsecondary Vocational-Technical Education in Preparing Graduates for the Labor Force.

DOCUMENT NOT AVAILABLE FROM EDRS.
University Microfilms, Inc., P.O. Box 1764, Ann Arbor, Michigan 48106 (order no. 71-22442, MF $4.00, Xerography $10.00).
PUB DATE - 71 204p.Ph.D. Dissertation; Ohio State University.

DESCRIPTORS - *HIGH SCHOOL GRADUATES; TECHNICAL INSTITUTES; *TECHNICAL EDUCATION; VOCATIONAL EDUCATION; EMPLOYMENT OPPORTUNITIES; STATISTICAL ANALYSIS; DOCTORAL THESES; EMPLOYMENT STATISTICS; JOB PLACEMENT; EMPLOYMENT LEVEL; *SUCCESS FACTORS; *PROGRAM EFFECTIVENESS; *PROGRAM EVALUATION

ABSTRACT - This study was designed to determine the extent to which public postsecondary vocational-technical education leads to success in the labor market. Eighty-three graduates from a technical institute, plus two control groups from the local public high schools comprised the subjects for this ex-post facto analysis. F ratio and T tests were used to distinguish any difference in the sample groups with regard to the 18 independent variables thought to affect labor market success, and the 15 dependent variables which are measures of labor market success. The results showed that the technical institute graduates were initially employed at higher occupational levels and had a higher mean occupational level for all jobs than did the high school graduates without technical training. (Editor/GEB)

VT 013 051 ED 050 276
Somers, Gerald G., Ed.;
Little, J. Kenneth, Ed.
Vocational Education: Today and Tomorrow.

Wisconsin Univ., Madison. Center for Studies in Vocational and Technical Education.
EDRS PRICE MF-$0.65 HC NOT AVAILABLE FROM EDRS.
Center for Studies in Vocational and Technical Education, 4315 Social Science Bldg., University of Wisconsin, Madison, Wisconsin 53706 ($5.00, plus 18¢ postage).
PUB DATE - 71 351p.

DESCRIPTORS - *VOCATIONAL EDUCATION; *TECHNICAL EDUCATION; *EDUCATIONAL PROBLEMS; EDUCATIONAL OBJECTIVES; EMPLOYMENT TRENDS; *CURRICULUM DEVELOPMENT; SCHOOL PERSONNEL; PROGRAM EVALUATION; DISADVANTAGED GROUPS; *EDUCATIONAL NEEDS; CURRICULUM RESEARCH; CAREERS; ORGANIZATIONAL CHANGE

ABSTRACT - The papers in this document, written by persons from a variety of disciplines, are addressed to issues which have confronted vocational educators for many years and which remain unsolved as the decade of the 70's begins. Specific topics include: (1) "Curriculum Response to Occupational Trends" by Garth Mangum, (2) "Changing Relationships Between Schools and Industry" by Samuel M. Burt, (3) "Staffing Vocational-Technical Programs" by Rupert Evans, (4) "Vocational Education for Disadvantaged Groups" by Laure Sharp, (5) "Comprehensive Education, Redefined for a Humanist Society" by Marvin Feldman, and (6) "Lessons from Other Countries" by Norman Duffy. (GEB)

VT 013 054 ED 049 395
Thurston, Ronald L.; Weber, Lester C.
Development of a Plan to Improve the Personalized Instruction Program at Vocational Village. Final Report.

Portland School District, Oreg. Vocational Village.
Office of Education (DHEW), Washington, D.C.
EDRS PRICE MF-$0.65 HC-$3.29

OEG-0-90685005-0768(085) 08
BR-7-1339
PUB DATE - Apr71 77p.

DESCRIPTORS - *PROGRAM IMPROVEMENT; VOCATIONAL EDUCATION; PROGRAM DEVELOPMENT; DROPOUTS; STUDENT NEEDS; *INDIVIDUALIZED INSTRUCTION; *VOCATIONAL SCHOOLS; SECONDARY EDUCATION; PROGRAM EFFECTIVENESS; *DROPOUT PROGRAMS; STUDENT EVALUATION; BEHAVIORAL OBJECTIVES; SCHOOL INDUSTRY RELATIONSHIP; RESIDENTIAL SCHOOLS

ABSTRACT - Vocational Village was opened by the Portland (Oregon) School District in 1968 to provide opportunities for students who had not been successful in traditional high school programs. A basic concept of the programs initiated at Vocational Village was the desire to personalize and individualize instruction. However, as operations got under way it became evident that the program could be made more efficient and effective by: (1) modifying the procedure for screening and admitting new students, (2) developing behavioral-based instructional materials with a job approach, (3) increasing cooperative arrangements with community agencies, businesses and industries, and (4) improving procedures for evaluating student progress through their individual programs. Using these points as objectives, this current project resulted in seven specific accomplishments. Among these were: (1) an efficient method for interviewing and screening prospective students, (2) guidelines for developing and using job sheets to personalize and individualize instruction, and (3) an efficient method to monitor student progress. (Author/JS)

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ED 047 121	VT 012 462	ED 048 483	VT 012 664	ED 049 383	VT 012 955
ED 047 126	VT 012 483	ED 048 484	VT 012 665	ED 049 384	VT 012 958
ED 047 143	VT 012 538	ED 048 485	VT 012 694	ED 049 385	VT 012 962
ED 047 147	VT 012 558	ED 048 486	VT 012 704	ED 049 386	VT 012 963
ED 047 150	VT 012 568	ED 048 487	VT 012 705	ED 049 387	VT 012 964
ED 047 151	VT 012 579	ED 048 488	VT 012 720	ED 049 389	VT 012 969
ED 047 152	VT 012 585	ED 048 489	VT 012 721	ED 049 390	VT 012 975
ED 047 160	VT 012 643	ED 048 490	VT 012 728	ED 049 391	VT 012 983
ED 047 161	VT 012 659	ED 048 491	VT 012 731	ED 049 392	VT 012 989
ED 048 433	VT 011 591	ED 048 492	VT 012 811	ED 049 393	VT 012 996
ED 048 434	VT 011 592	ED 048 494	VT 012 815	ED 049 394	VT 013 045
ED 048 435	VT 011 593	ED 048 495	VT 012 817	ED 049 395	VT 013 054
ED 048 436	VT 011 594	ED 048 496	VT 012 818	ED 050 225	VT 003 430
ED 048 437	VT 011 595	ED 048 497	VT 012 823	ED 050 226	VT 006 122
ED 048 438	VT 011 993	ED 048 498	VT 012 848	ED 050 227	VT 011 111
ED 048 439	VT 012 017	ED 048 499	VT 012 852	ED 050 229	VT 011 139
ED 048 440	VT 012 026	ED 048 500	VT 012 853	ED 050 230	VT 011 375
ED 048 441	VT 012 029	ED 048 501	VT 012 854	ED 050 231	VT 011 471
ED 048 442	VT 012 045	ED 048 502	VT 012 858	ED 050 232	VT 011 746
ED 048 443	VT 012 050	ED 048 503	VT 012 862	ED 050 234	VT 012 011
ED 048 444	VT 012 054	ED 048 504	VT 012 865	ED 050 236	VT 012 051
ED 048 445	VT 012 115	ED 048 505	VT 012 866	ED 050 237	VT 012 056
ED 048 446	VT 012 116	ED 048 506	VT 012 874	ED 050 238	VT 012 139
ED 048 447	VT 012 127	ED 048 507	VT 012 878	ED 050 239	VT 012 161
ED 048 450	VT 012 184	ED 048 508	VT 012 880	ED 050 240	VT 012 178
ED 048 451	VT 012 210	ED 048 509	VT 012 884	ED 050 248	VT 012 360
ED 048 452	VT 012 213	ED 048 511	VT 012 898	ED 050 249	VT 012 438
ED 048 453	VT 012 235	ED 048 512	VT 012 910	ED 050 250	VT 012 439
ED 048 454	VT 012 249	ED 048 513	VT 012 941	ED 050 252	VT 012 557
ED 048 455	VT 012 275	ED 048 515	VT 012 953	ED 050 253	VT 012 576
ED 048 456	VT 012 299	ED 048 516	VT 012 961	ED 050 254	VT 012 647
ED 048 458	VT 012 304	ED 049 357	VT 012 366	ED 050 255	VT 012 669
ED 048 459	VT 012 409	ED 049 358	VT 012 417	ED 050 256	VT 012 671
ED 048 460	VT 012 413	ED 049 359	VT 012 467	ED 050 257	VT 012 677
ED 048 461	VT 012 414	ED 049 360	VT 012 487	ED 050 259	VT 012 887
ED 048 462	VT 012 451	ED 049 361	VT 012 618	ED 050 263	VT 012 939

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RESEARCH PROJECTS
IN PROGRESS

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RESEARCH PROJECTS IN PROGRESS

Abstracts of current research projects are provided in cooperation with the Division of Vocational and Technical Education (BAVTE/USOE). These projects are underway in the states under provisions of Part C of Public Law 90-576 and are announced in Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) to facilitate communication between researchers, prevent unnecessary duplication of effort, and alert vocational-technical educators to new developments. Most of these projects will be reported, when completed, in the abstract section of subsequent issues of ARM.

Project titles are listed by state and designated with a VTP number. Author abstracts of projects are arranged by VTP number.

Project Titles

Alabama	A Study to Redefine the Management Organization of the Vocational Division of the Alabama State Department of Education, MacFarlane, Ian.	VTP 058
Arkansas	The Development of Vocational Orientation Packets for Use by Teachers in the Elementary School, Turner, Delma.	VTP 034
California	The Ventura County Manpower Projection Model, Lawson, William H.; Pierce, Ray.	VTP 059
	Youth Guidance Systems, McDaniel, H.B., And Others.	VTP 055
	Comparative Costs of Manpower Education: A Methodological Study, Oettinger, Martin P.	VTP 056
	Work Experience Education Research for Accountability, Schroeder, Walter.	VTP 057
	Effectiveness of Occupational Training for Disadvantaged and Handicapped Youth and Adults, Swanson, J. Chester.	VTP 061
	An Experimental Research Project to Test a More Effective Means to Achieve Stated Work Experience Education Program Goals, Valladao, William P.	VTP 054
	A Study of the VIEW System in California, Whitfield, Edwin A.	VTP 060
Florida	Elementary Vocational Education Curriculum Project for the State of Florida, Heggen, James R.; Geil, John J.	VTP 042
	A Project to Develop Learning Packets in Diversified Cooperative Training, Jaeschke, Donald P.	VTP 039
	Information System for Exemplary Programs, McDuffie, B.J.	VTP 050
	Information System for Exemplary Programs, Miller, Carl.	VTP 049
	A Review of Literature to Identify Innovative Curricular Materials in Vocational Education and Development of a Model Inventory of Research and Development Resources, Morgan, Robert.	VTP 041
	Information System for Exemplary Programs, Partin, Charles.	VTP 051
	Information System for Exemplary Programs, Upthegrove, Ernest.	VTP 052
Indiana	Vocational Career Exploration and Preparation, Swin, Edward.	VTP 038
New Mexico	Simulation as a Feedback Mechanism in Training Engineering Draftsmen, Altus, David M.	VTP 068
	Updating Occupational Needs Study for Vocational and Technical Education in Dona Ana County, Edington, Everett D.	VTP 066
	A System for Evaluation of Vocational-Technical Education, Hale, James.	VTP 081
	A Study of the Vocational Education of Handicapped Persons in Horticulture, Stevens, Alan B.	VTP 069

	Project Titles	
New York	Occupational Education Leadership Training Program, Bowker, Albert H.	VTP 046
	Research--Four Year Continuum Cooperative Education Programs, Bowker, Albert H.	VTP 063
	Research--New Cooperative Programs with Area Mental Health Agencies for Training of Mental Health Workers, Milne, Dwight R., Jr.	VTP 064
	Study of an Educational Program Involving Ex-Drug Addicts in Nassau County, Morgenstein, Melvin; Strongin, Harriet.	VTP 065
Pennsylvania	Slides as a Visual Supplement to the Carpentry Curriculum, Bounds, Jesse S.	VTP 074
	Practical Nursing Licensing Exam Achievement Relationship to Work Performance and Retention, Clugh, Raymond W.	VTP 078
	Project GIVE (Guidance in Vocational Education): Elementary, Culp, William H.	VTP 077
	Education in Agriculture for the Educationally Disadvantaged, Curtis, Samuel M.	VTP 070
	An Educational Application of Queueing Theory, Davis, Frank S., Jr.	VTP 076
	A Study to Determine the Effectiveness of the Laboratory Technician Program in Placing Students in this or any Related Para-Professional Health Field, Easley, Robert D.	VTP 071
	Cooperative Program for Disadvantaged Youth, Hirschfeld, Marvin.	VTP 036
	A Longitudinal Study of Vocational Development and Program Evaluation: Implications for Curriculum Planning and Vocational Guidance, Impellitteri, Joseph T.	VTP 080
	An Assessment of the Adequacy of Vocational Technical and Industrial Education Programs in the Secondary Schools of Pennsylvania in Meeting Dropout Prone Students' Needs, Klingler, Robert D.	VTP 072
	A Model Program to Improve the Classroom Instruction, Reading Ability and Utilization of Instructional Materials of Selected Vocational and Technical Students, Mahony, Joseph E.; Garlick, John.	VTP 062
	The Status of Future Business Leaders of America Chapter Activities in the State of Pennsylvania--1967-1970, Nagle, Alma Doris.	VTP 079
	Supervised Independent Study Program, Ross, H. James.	VTP 073
	Development and Preparation of a Chemical Technology Course Manual Volume I, Stewart, R.B., Jr.	VTP 075
Wisconsin	Determination of Justification to Offer Preparatory Mathematics for Trade and Industry Vocational Students, Anderson, Ronald H.	VTP 044
	Evaluative Study of Students in Developmental Math Course, Beede, Cecil W.	VTP 037
	Research, Development, Implementation, and Evaluation of Differentiated Staffing for Vocational-Technical Education, Bordini, Dominic J.; Spanbauer, Stanley J.	VTP 053
	Effectiveness of Current Training Programs for the Vocationally Handicapped in Wisconsin, Daum, Henry A., Jr., And Others.	VTP 047
	Development of a Computer Based Simulated Accounting System, Franks, Robert.	VTP 045

Project Titles

	The OVIS Survey in Student Recruitment, Hildebrand, David R., And Others.	VTP 040
	Health Occupations Research Study, Johnson, O.L.	VTP 048
	District 17--Mini-Research Grants, Selected Individuals.	VTP 035
	Student and Staff Evaluation of the Quarter System, Temte, William H.	VTP 043
Wyoming	Summer Research for the Development of a Curriculum in Basic Communications Skills for the Educationally Disadvantaged or Special Interest Vocational Student, Radakovich, Dan, And Others.	VTP 067

VTP 034
TITLE: THE DEVELOPMENT OF VOCATIONAL ORIENTATION PACKETS FOR USE BY TEACHERS IN THE ELEMENTARY SCHOOL.

INVESTIGATOR: TURNER, DELMA
INSTITUTION: ARKANSAS STATE DEPT. OF EDUCATION, LITTLE ROCK. DIV. OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
ADMINISTERED BY: ARKANSAS STATE DEPT. OF EDUCATION, LITTLE ROCK. DIV. OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
PROJECT DURATION: MAY 1, 1971 TO JUNE 30, 1972

OBJECTIVES: THE MAJOR OBJECTIVE OF THE PROJECT IS THE PREPARATION OF INSTRUCTIONAL PACKETS AIMED AT PROVIDING VOCATIONAL ORIENTATION FOR ELEMENTARY SCHOOL CHILDREN, GRADES ONE THROUGH SIX. THIS WILL INVOLVE ELEMENTARY SCHOOL PERSONNEL AND OTHER EDUCATIONAL SPECIALISTS WHO HAVE EXPERTISE AND EXPERIENCE IN THE PREPARATION AND USE OF VOCATIONAL ORIENTATION MATERIALS OR WHO ARE WILLING TO GIVE SPECIAL ATTENTION TO DEVELOPING AND TRYING OUT OF SUCH MATERIAL AS A BASIS FOR DEVELOPMENT OF INSTRUCTIONAL PACKETS FOR USE STATEWIDE. THE PROJECT WILL INVOLVE A WORKSHOP AND RELATED SEMINARS ON VOCATIONAL ORIENTATION FOR ELEMENTARY SCHOOL CHILDREN CONDUCTED UNDER THE DIRECTION OF THE DIVISION OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION. THE INSTRUCTIONAL PACKETS WILL BE DEVELOPED THROUGH WORKSHOP ACTIVITY. THE PARTICIPATING TEACHERS WILL SPEND A FOUR WEEK PERIOD WORKING TOGETHER AND IN SMALLER GROUPS ON DIFFERENT GRADE LEVELS TO DEVELOP THE ORIENTATION MATERIALS. AN EVALUATION INSTRUMENT WILL BE CONSTRUCTED OR SELECTED TO ATTEMPT TO ASCERTAIN GROWTH IN KNOWLEDGE OF OCCUPATIONS AND ATTITUDES TOWARD OCCUPATIONS OF STUDENTS AT VARIOUS GRADE LEVELS.

VTP 035
TITLE: DISTRICT 17--MINI-RESEARCH GRANTS.

INVESTIGATOR: SELECTED INDIVIDUALS
INSTITUTION: AREA VOCATIONAL, TECHNICAL AND ADULT EDUCATION DISTRICT 17, SUPERIOR, WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: DECEMBER 1, 1970 TO JUNE/AUGUST 1971

OBJECTIVES: ONE OF THE RESPONSIBILITIES OF THE ADMINISTRATOR, RESEARCH AND PLANNING, IS TO ENCOURAGE AND PROMOTE RESEARCH AND PLANNING ACTIVITIES BY THE INSTRUCTIONAL STAFF AT THE LOCAL SCHOOL LEVEL. IT IS AT THIS LEVEL THAT THE RESEARCH ACTIVITIES WILL MOST DIRECTLY AFFECT THE STUDENTS INVOLVED. INDEED, IT IS THE OVERALL OBJECTIVE OF THESE ACTIVITIES TO IMPROVE THE QUALITY OF VOCATIONAL INSTRUCTION. ACCORDINGLY, AN INTERNAL MECHANISM HAS BEEN SET UP TO ENCOURAGE AND ADMINISTER LOCAL RESEARCH PROJECTS. THIS PROPOSAL CONTAINS A NUMBER OF SEPARATE PROJECTS WHICH HAVE BEEN SUBMITTED BY THE INSTRUCTORS TO THE DISTRICT 17 ADMINISTRATION FOR APPROVAL.

VTP 036
TITLE: COOPERATIVE PROGRAM FOR DISADVANTAGED YOUTH.

INVESTIGATOR: HIRSCHFELD, MARVIN
INSTITUTION: TEMPLE UNIV., PHILADELPHIA, PA. DEPT. OF DISTRIBUTIVE EDUCATION
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: FEBRUARY 1971 TO JUNE 30, 1972

OBJECTIVES: THE OBJECTIVES OF THIS PROJECT ARE: (1) TO SURVEY EMPLOYMENT OPPORTUNITIES FOR UNEMPLOYED AND DISADVANTAGED YOUTH, (2) TO ESTABLISH TRAINING STATIONS, CONSULTANT AND PLACEMENT SERVICES FOR THE YOUTH, (3) TO DEVELOP A RELEVANT PLAN OF TRAINING AND EDUCATION FOR EACH STUDENT TO QUALIFY HIM FOR JOB ENTRY AND ADVANCEMENT, AND (4) TO IDENTIFY, RECRUIT, AND TRAIN ADDITIONAL TEACHERS, COORDINATORS, AND SUPERVISORS NECESSARY TO CONTINUE THE PROGRAM. A STEERING AND ADVISORY COMMITTEE WILL GIVE ASSISTANCE TO THE INVESTIGATOR IN EMPLOYING A DIRECTOR AND A STAFF TO INITIATE THE SURVEY, ORGANIZE OPERATIONS, AND IMPLEMENT ACTIVITIES.

VTP 037
TITLE: EVALUATIVE STUDY OF STUDENTS IN DEVELOPMENTAL MATH COURSE.

INVESTIGATOR: BEEDE, CECIL W.
INSTITUTION: DISTRICT ONE TECHNICAL INST., WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: SEPTEMBER 1970 TO ?

OBJECTIVES: DISTRICT ONE TECHNICAL INSTITUTE - EAU CLAIRE IS INTERESTED IN THOROUGHLY EVALUATING THE EFFECTIVENESS OF THE DEVELOPMENTAL MATH COURSE WHICH WAS MADE POSSIBLE THROUGH A GRANT FUNDED THROUGH PART B, DISADVANTAGED, OF THE VOCATIONAL EDUCATION AMENDMENTS OF 1968 (CURRENT PROJECT NO. 01-001-71). IN SO DOING, IT IS HOPED THAT MEASURES OF INDIVIDUAL AND GROUP PROGRESS AS WELL AS STUDENT ATTITUDES TOWARD THIS COURSE MAY BE DETERMINED.

VTP 038
TITLE: VOCATIONAL CAREER EXPLORATION AND PREPARATION.

INVESTIGATOR: SWIN, EDWARD
INSTITUTION: NORTH GIBSON SCHOOL CORP., PRINCETON, IND.
ADMINISTERED BY: INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS
PROJECT DURATION: 1970-1971

OBJECTIVES: THIS PROGRAM IS DESIGNED TO ASSIST DISADVANTAGED AND HANDICAPPED STUDENTS TO IMPROVE SOCIALLY AND ECONOMICALLY BY ASSISTING THEM IN THEIR CURRENT WORK AND GIVING THEM REMEDIAL ASSISTANCE. OBJECTIVES ARE: (1) TO PROVIDE THE INDIVIDUAL STUDENT THE OPPORTUNITY TO LEARN AT LEVELS AND SPEEDS ACCORDING TO HIS ABILITIES, (2) TO PROVIDE AN ENVIRONMENT CONDUCIVE TO LEARNING FOR EACH STUDENT, (3) TO KEEP THE STUDENT IN THE MAIN STREAM OF EDUCATION, (4) TO AID THE STUDENT IN MAINTAINING HIS SELF-RESPECT, ENTHUSIASM, AND WILLINGNESS TO WORK, (5) TO DECREASE THE NUMBER OF DROP-OUTS, (6) TO PROVIDE INFORMATION AND TRAINING SUCH THAT THE STUDENT MAY MAKE A MORE LOGICAL CHOICE OF HIS LIFE'S WORK, (7) TO PERMIT THE STUDENT TO EXPLORE HIS APTITUDES, ABILITIES, AND PERSONAL PREFERENCE FOR "THE WORLD OF WORK," AND (8) TO HELP MAKE EACH STUDENT A RESPONSIBLE, PRODUCTIVE CITIZEN, WORKING IN AN OCCUPATION THAT HE ENJOYS. PROCEDURES: PERSONNEL WILL BE PROVIDED TO AID THE STUDENT DURING HIS INDIVIDUAL STUDY TIME (FLEXIBLE SCHEDULING) AND OPEN LABORATORY TIME AND TO AID THE STUDENT IN REMEDIAL ACTIVITIES. AN EVALUATION PROGRAM WILL BE ESTABLISHED TO IMPROVE THE PROCEDURES IN THE FOLLOWING YEARS.

VTP 039
TITLE: A PROJECT TO DEVELOP LEARNING PACKETS IN DIVERSIFIED COOPERATIVE TRAINING.

INVESTIGATOR: JAESCHKE, DONALD P.
INSTITUTION: UNIVERSITY OF SOUTH FLORIDA, TAMPA
ADMINISTERED BY: FLORIDA VOCATIONAL PROGRAMS RESEARCH COORDINATING UNIT, TALLAHASSEE
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THE PURPOSE OF THIS CURRICULUM PROJECT IS TO DEVELOP FIVE STUDENT-CENTERED LEARNING PACKETS TO ASSIST DIVERSIFIED COOPERATIVE TRAINING COORDINATORS IN THE IMPLEMENTATION OF IDENTIFIED INSTRUCTIONAL GOALS FOR OCCUPATIONAL RELATED AREAS. METHODOLOGY: EIGHT INSTRUCTIONAL GOALS WERE IDENTIFIED. FROM THESE, THE FIVE MOST CRITICAL WILL BE SELECTED FOR DEVELOPMENT OF OBJECTIVES. LEARNING PACKETS WILL BE DEVELOPED FROM OBJECTIVES IDENTIFIED IN THE FIVE GOALS. PACKET WRITERS WILL BE SELECTED AND INVITED TO PARTICIPATE IN THE DEVELOPMENT DURING THE SUMMER OF 1971. UPON COMPLETION, LEARNING PACKETS WILL BE FIELD TESTED, REVISED, AND DISSEMINATED THROUGHOUT THE STATE.

VTP 040
TITLE: THE OVIS SURVEY IN STUDENT RECRUITMENT.

INVESTIGATOR: HILDEBRAND, DAVID R., AND OTHERS
INSTITUTION: AREA VTAE DISTRICT 17, SUPERIOR, WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: SPRING 1971 TO FALL 1973

OBJECTIVES: THIS PROJECT PROPOSES THE UTILIZATION OF THE OVIS SURVEY, THE OHIO VOCATIONAL INTEREST SURVEY, AS A TOOL IN STUDENT RECRUITMENT IN WISCONSIN. IT IS FELT THAT THE OVIS SURVEY WOULD PROVIDE MUCH VALUABLE INFORMATION TO FACILITATE THE RECRUITING PROCESS. THE OVIS SURVEY WOULD (1) PINPOINT THOSE STUDENTS WHO ARE VOCATIONALLY ORIENTED AND WHO ARE INTERESTED IN A VOCATIONAL EDUCATION, (2) PROVIDE VALUABLE INFORMATION FOR THE PROPER COUNSELING OF STUDENTS, (3) THROUGH THE PROVISION OF THIS SERVICE DEVELOP BETTER COOPERATION BETWEEN THE HIGH SCHOOL AND THE VOCATIONAL SCHOOL, AND (4) PROVIDE VALUABLE INFORMATION FOR CURRICULUM PLANNING. FOUR HIGH SCHOOLS IN DISTRICT 17 WOULD BE SELECTED AND THE OVIS SURVEY ADMINISTERED TO BOTH SOPHOMORES AND SENIORS OVER A PERIOD OF SEVERAL YEARS. THE EVALUATION OF THIS SURVEY INSTRUMENT IN DISTRICT 17 IS THE OBJECTIVE OF THIS PROPOSAL.

VTP 041
TITLE: A REVIEW OF LITERATURE TO IDENTIFY INNOVATIVE CURRICULAR MATERIALS IN VOCATIONAL EDUCATION AND DEVELOPMENT OF A MODEL INVENTORY OF RESEARCH AND DEVELOPMENT RESOURCES.

INVESTIGATOR: MORGAN, ROBERT
INSTITUTION: FLORIDA STATE UNIV., TALLAHASSEE
ADMINISTERED BY: FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. DIV. OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: MAJOR PURPOSES OF THE PROJECT ARE TO: (1) SEARCH THE LITERATURE FOR TESTED INNOVATIVE CURRICULAR MATERIALS APPROPRIATE FOR THE FLORIDA EXEMPLARY PROGRAM, AND (2) DEVELOP A SYSTEMATIC INVENTORY OF HUMAN AND MATERIALS RESEARCH AND DEVELOPMENT RESOURCES. METHODOLOGY: TO ACCOMPLISH THE FIRST OBJECTIVE A COMPLETE SEARCH OF ALL ERIC DOCUMENTS WILL BE MADE. FROM THESE A LISTING OF INNOVATIVE CURRICULAR MATERIALS IN OCCUPATIONAL AREAS WILL BE PREPARED, COPIES OF THE MATERIALS SECURED AND SENT TO THE FOUR EXEMPLARY CENTERS. TO ACHIEVE THE SECOND OBJECTIVE, A COMPLETE LISTING OF ALL DISTRICT PERSONNEL RESPONSIBLE FOR RESEARCH AND DEVELOPMENT ACTIVITIES WILL BE PREPARED, AND ABSTRACTS OF ALL PERTINENT THESES AND DISSERTATIONS WILL BE PREPARED. AN ORGANIZED SYSTEM FOR CONTINUATION OF UP-DATING THE RESEARCH AND DEVELOPMENT INFORMATION WILL BE DESIGNED.

VTP 042
TITLE: ELEMENTARY VOCATIONAL EDUCATION CURRICULUM PROJECT FOR THE STATE OF FLORIDA.

INVESTIGATOR: HEGGEN, JAMES R.: GEIL, JOHN J.
INSTITUTION: FLORIDA STATE UNIV., TALLAHASSEE
ADMINISTERED BY: FLORIDA VOCATIONAL PROGRAMS RESEARCH COORDINATING UNIT, TALLAHASSEE. DIV. OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THE MAJOR OBJECTIVES OF THE PROJECT ARE: (1) DEVELOPMENT OF LEARNER-ORIENTED OCCUPATIONAL MATERIALS THAT MEET THE NEEDS OF TODAY'S YOUTH IN A RAPIDLY CHANGING TECHNOLOGICAL AGE; (2) IDENTIFICATION OF A RELEVANT RATIONALE AND CONTENT STRUCTURE TO GUIDE THE DEVELOPMENT OF INSTRUCTIONAL MODELS, INCLUDING PROGRAM FACILITIES AND TEACHER COMPETENCIES; (3) DEVELOPMENT OF A SEQUENTIAL FOUNDATION STRUCTURE FOR A K-5 PROGRAM AS PART OF THE COMPREHENSIVE VOCATIONAL CURRICULUM K-14; (4) DEVELOPMENT OF TEACHING TECHNIQUES AND METHODS TO PROVIDE A RELEVANT AWARENESS TO THE WORLD OF WORK FOR ELEMENTARY STUDENTS; AND (5) DESIGN POTENTIAL PILOT PROGRAMS WHICH MAY BE IMPLEMENTED WITH A MINIMUM OF COST AND TRAINING. METHODOLOGY: THE FIRST SIX MONTHS WILL BE SPENT RESEARCHING, DEVELOPING, AND FIELD TESTING LEARNER-ORIENTED OCCUPATIONAL MATERIALS (LOOMs). AS LOOMs ARE EVALUATED, THEY WILL BE REVISED AND FIELD TESTED AGAIN. IT IS ANTICIPATED THAT 60 LOOMs WILL BE DEVELOPED AND THAT SUMMER WORKSHOPS FOR ORIENTING ELEMENTARY TEACHERS TO THE USE OF THESE LOOMs WILL BE COMPILED.

VTP 043
TITLE: STUDENT AND STAFF EVALUATION OF THE QUARTER SYSTEM.

INVESTIGATOR: TEMTE, WILLIAM H.
INSTITUTION: WESTERN WISCONSIN TECHNICAL INST., LA CROSSE, WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THIS STUDY WILL BE TO PROVIDE DATA FOR EVALUATING THE EFFECTS ON THE STUDENTS AND STAFF AT WESTERN WISCONSIN TECHNICAL INSTITUTE ON THE TRANSFER FROM THE SEMESTER SYSTEM TO THE QUARTER SYSTEM. SECOND-YEAR STUDENTS WHO HAVE STUDIED UNDER BOTH SYSTEMS AND STAFF MEMBERS, INCLUDING CUSTODIAL, CLERICAL, INSTRUCTIONAL, AND ADMINISTRATIVE PERSONNEL, WILL PARTICIPATE IN THIS STUDY. TWO REPORTS WILL BE MADE. THE FIRST WILL BE A STUDENT EVALUATION REPORT. THE SECOND WILL BE THE STAFF REPORT WHICH WILL INCLUDE BASIC DATA SIMILAR TO THE STUDENT REPORT AS WELL AS A NARRATIVE CRITIQUE.

VTP 044
TITLE: DETERMINATION OF JUSTIFICATION TO OFFER PREPARATORY MATHEMATICS FOR TRADE AND INDUSTRY VOCATIONAL STUDENTS.

INVESTIGATOR: ANDERSON, RONALD H.
INSTITUTION: SOUTHWEST WISCONSIN VOCATIONAL-TECHNICAL SCHOOL, FENNIMORE, WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: JANUARY 10, 1971 TO JUNE 30, 1971

OBJECTIVES: A SUBSTANTIAL DEFICIENCY PRESENTLY EXISTS CONCERNING BACKGROUND KNOWLEDGE IN GENERAL MATHEMATICS OF CERTAIN STUDENTS ENROLLED IN THE TRADE AND INDUSTRY APPLIED MATHEMATICS COURSES. THIS PROJECT PROPOSES TO IDENTIFY THESE DEFICIENCIES AND DETERMINE THE NEED FOR SPECIFIC CONTENT OF POSSIBLE PREPARATORY MATHEMATICS OFFERINGS WHICH WILL ALLOW SATISFACTORY STUDENT MATRICULATION IN THE APPLIED MATHEMATICS COURSES.

VTP 045
TITLE: DEVELOPMENT OF A COMPUTER BASED SIMULATED ACCOUNTING SYSTEM.

INVESTIGATOR: FRANKS, ROBERT
INSTITUTION: WESTERN WISCONSIN TECHNICAL INST., LA CROSSE, WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THE OBJECT OF THIS PROGRAM IS TO DEVELOP DATA PROCESSING TECHNIQUES ADAPTED TO A SIMULATED ACCOUNTING SYSTEM. THIS PROJECT INVOLVES INTEGRATING ACCOUNTING SYSTEMS WITH DATA PROCESSING. A BURROUGH'S THIRD GENERATION MODEL "2500" SYSTEM WILL BE UTILIZED IN DEVELOPING THIS SYSTEM. A COMPLETE ACCUMULATION, RECORDING, UPDATING, AND ANALYZING OF FINANCIAL DATA WILL BE ACCOMPLISHED. THIS SYSTEM IS INTENDED TO BE OPEN-ENDED, I.E., THE PROGRAM WILL BE DESIGNED TO INCLUDE A RETAIL MERCHANDISE BUSINESS AS WELL AS MANUFACTURING CONCERN. THE REPORTING SYSTEM WILL BE COMPLETE WITH A BUDGET UTILIZING STANDARD COST ACCOUNTING PRINCIPLES.

VTP 046
TITLE: OCCUPATIONAL EDUCATION LEADERSHIP TRAINING PROGRAM.

INVESTIGATOR: BOWKER, ALBERT H.
INSTITUTION: CITY UNIV. OF NEW YORK RESEARCH FOUNDATION, N.Y.
ADMINISTERED BY: NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF OCCUPATIONAL EDUCATION RESEARCH
PROJECT DURATION: FEBRUARY 1, 1971 TO JUNE 30, 1971

OBJECTIVES: THE PURPOSE OF THIS PROJECT IS TO PROVIDE AN OCCUPATIONAL EDUCATION LEADERSHIP TRAINING PROGRAM FOR SUPERVISORS AND POLICY PLANNERS IN SCHOOL SYSTEMS, INSTITUTIONS OF HIGHER EDUCATION, OCCUPATIONAL ORGANIZATIONS, AND PUBLIC AGENCIES IN THE STATE OF NEW YORK.

VTP 047
TITLE: EFFECTIVENESS OF CURRENT TRAINING PROGRAMS FOR THE VOCATIONALLY HANDICAPPED IN WISCONSIN.

INVESTIGATOR: DAUM, HENRY A., JR., AND OTHERS
INSTITUTION: DEVELOPMENTAL BEHAVIOR ASSOCIATES, MADISON, WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: JANUARY 1, 1971 TO JUNE 30, 1971

OBJECTIVES: THE MAJOR THRUST OF THIS PROPOSED STUDY IS TO DETERMINE THE VALIDITY OF CURRENT TRAINING PROGRAMS FOR VOCATIONALLY HANDICAPPED IN WISCONSIN. IT IS CONCERNED WITH THE RELATIONSHIP BETWEEN TRAINING PROGRAM CONTENT AND SUBSEQUENT JOB REQUIREMENTS. THE VOCATIONALLY DISABLED WILL BE IDENTIFIED AND USED TO OBTAIN INFORMATION ABOUT THE VALIDITY OF TRAINING PROGRAMS. ALSO, SURVEYS OF TEACHERS, STUDENTS, AND EMPLOYERS WILL BE USED TO DETERMINE PROGRAM EFFECTIVENESS.

VTP 048
TITLE: HEALTH OCCUPATIONS RESEARCH STUDY.

INVESTIGATOR: JOHNSON, O.L.
INSTITUTION: BLACKHAWK VOCATIONAL-TECHNICAL SCHOOL, JANESVILLE, WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: DECEMBER 1, 1970 TO JUNE 30, 1971

OBJECTIVES: BLACKHAWK TECH IS INITIATING PLANS FOR NEW PROGRAMS IN THE HEALTH OCCUPATIONS. TO EFFECTIVELY PLAN FOR THESE, THE ADVISORY COMMITTEE HAS RECOMMENDED AN INTERVIEW STUDY BE MADE OF THE PRESENT HEALTH OCCUPATIONS IN THIS AREA. THE RESULTS WILL BE USED TO PLAN PROGRAMS AND FACILITIES FOR HEALTH OCCUPATIONS EDUCATION. THE SPECIFIC OBJECTIVES ARE TO: (1) ANALYZE CURRENT EMPLOYMENT IN HEALTH AND RELATED OCCUPATIONS; (2) ANALYZE FUTURE PREDICTIONS FOR EMPLOYMENT IN HEALTH OCCUPATIONS; (3) IDENTIFY NEW OR DEVELOPING HEALTH OCCUPATIONS IN OUR AREA; AND (4) RELATE EMPLOYMENT DATA TO SUPPLEMENTAL DATA SUCH AS HOSPITAL BEDS, PATIENTS, AND SERVICE AREAS.

VTP 049
TITLE: INFORMATION SYSTEM FOR EXEMPLARY PROGRAMS.

INVESTIGATOR: MILLER, CARL
INSTITUTION: HILLSBOROUGH COUNTY BOARD OF PUBLIC INSTRUCTION, TAMPA, FLA.
ADMINISTERED BY: FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. DIV. OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THE MAJOR PURPOSE OF THIS PROPOSAL IS TO ESTABLISH AN INFORMATION CENTER WHICH PROVIDES ACCESS TO ERIC MATERIALS IN THE FOUR SCHOOLS WHICH ARE PARTICIPANTS IN THE FLORIDA EXEMPLARY PROGRAM ENTITLED, "AN EXEMPLARY MODEL FOR A TOTAL ECOLOGICAL APPROACH TO NON-GRADED VOCATIONAL PROGRAMS IN SEPARATE CENTERS." SUBMISSION OF MATERIALS TO ERIC WILL PROVIDE A SYSTEM FOR DISSEMINATION OF INFORMATION AND MATERIAL DEVELOPED IN FLORIDA. PROCEDURE: PRIOR TO ESTABLISHMENT OF THE CENTER, A STAFF OR FACULTY MEMBER WILL BE ASSIGNED RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. PLACEMENT OF THE EQUIPMENT WILL PROVIDE FACULTY AND STAFF A READING STUDY AREA, AND SUFFICIENT SPACE FOR STORAGE OF EQUIPMENT AND MATERIALS.

VTP 050
TITLE: INFORMATION SYSTEM FOR EXEMPLARY PROGRAMS.

INVESTIGATOR: MCDUFFIE, B.J.
INSTITUTION: DUVAL COUNTY BOARD OF PUBLIC INSTRUCTION, JACKSONVILLE, FLA.
ADMINISTERED BY: FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. DIV. OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THE MAJOR PURPOSE OF THIS PROPOSAL IS TO ESTABLISH AN INFORMATION CENTER WHICH PROVIDES ACCESS TO ERIC MATERIALS IN THE FOUR SCHOOLS WHICH ARE PARTICIPANTS IN THE FLORIDA EXEMPLARY PROGRAM ENTITLED, "AN EXEMPLARY MODEL FOR A TOTAL ECOLOGICAL APPROACH TO NON-GRADED VOCATIONAL PROGRAMS IN SEPARATE CENTERS." SUBMISSION OF MATERIALS TO ERIC WILL PROVIDE A SYSTEM FOR DISSEMINATION OF INFORMATION AND MATERIAL DEVELOPED IN FLORIDA. PROCEDURE: PRIOR TO ESTABLISHMENT OF THE CENTER, A STAFF OR FACULTY MEMBER WILL BE ASSIGNED RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. PLACEMENT OF THE EQUIPMENT WILL PROVIDE FACULTY AND STAFF A READING STUDY AREA, AND SUFFICIENT SPACE FOR STORAGE OF EQUIPMENT AND MATERIALS.

VTP 051
TITLE: INFORMATION SYSTEM FOR EXEMPLARY PROGRAMS.

INVESTIGATOR: PARTIN, CHARLES
INSTITUTION: ESCAMBIA BOARD OF PUBLIC INSTRUCTION, PENSACOLA, FLA.
ADMINISTERED BY: FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. DIV. OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THE MAJOR PURPOSE OF THIS PROPOSAL IS TO ESTABLISH AN INFORMATION CENTER WHICH PROVIDES ACCESS TO ERIC MATERIALS IN THE FOUR SCHOOLS WHICH ARE PARTICIPANTS IN THE FLORIDA EXEMPLARY PROGRAM ENTITLED, "AN EXEMPLARY MODEL FOR A TOTAL ECOLOGICAL APPROACH TO NON-GRADED VOCATIONAL PROGRAMS IN SEPARATE CENTERS." SUBMISSION OF MATERIALS TO ERIC WILL PROVIDE A SYSTEM FOR DISSEMINATION OF INFORMATION AND MATERIAL DEVELOPED IN FLORIDA. PROCEDURE: PRIOR TO ESTABLISHMENT OF THE CENTER, A STAFF OR FACULTY MEMBER WILL BE ASSIGNED RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. PLACEMENT OF THE EQUIPMENT WILL PROVIDE FACULTY AND STAFF A READING STUDY AREA, AND SUFFICIENT SPACE FOR STORAGE OF EQUIPMENT AND MATERIALS.

VTP 052
TITLE: INFORMATION SYSTEM FOR EXEMPLARY PROGRAMS.

INVESTIGATOR: UPTHEGROVE, ERNEST
INSTITUTION: DADE COUNTY BOARD OF PUBLIC INSTRUCTION, MIAMI, FLA.
ADMINISTERED BY: FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. DIV. OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THE MAJOR PURPOSE OF THIS PROPOSAL IS TO ESTABLISH AN INFORMATION CENTER WHICH PROVIDES ACCESS TO ERIC MATERIALS IN THE FOUR SCHOOLS WHICH ARE PARTICIPANTS IN THE FLORIDA EXEMPLARY PROGRAM ENTITLED, "AN EXEMPLARY MODEL FOR A TOTAL ECOLOGICAL APPROACH TO NON-GRADED VOCATIONAL PROGRAMS IN SEPARATE CENTERS." SUBMISSION OF MATERIALS TO ERIC WILL PROVIDE A SYSTEM FOR DISSEMINATION OF INFORMATION AND MATERIAL DEVELOPED IN FLORIDA. PROCEDURE: PRIOR TO ESTABLISHMENT OF THE CENTER, A STAFF OR FACULTY MEMBER WILL BE ASSIGNED RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. PLACEMENT OF THE EQUIPMENT WILL PROVIDE FACULTY AND STAFF A READING STUDY AREA, AND SUFFICIENT SPACE FOR STORAGE OF EQUIPMENT AND MATERIALS.

VTP 053
TITLE: RESEARCH, DEVELOPMENT, IMPLEMENTATION, AND EVALUATION OF DIFFERENTIATED STAFFING FOR VOCATIONAL-TECHNICAL EDUCATION.

INVESTIGATOR: BORDINI, DOMINIC J.; SPANBAUER, STANLEY J.
INSTITUTION: FOX VALLEY TECHNICAL INST., NEENAH, WIS.
ADMINISTERED BY: WISCONSIN STATE BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION, MADISON
PROJECT DURATION: JANUARY 1, 1971 TO DECEMBER 31, 1974

OBJECTIVES: THE CENTRAL OBJECTIVES OF THIS PROPOSAL ARE THE DEVELOPMENT OF A MODEL OF DIFFERENTIATED STAFFING FOR UTILIZATION IN A POST-SECONDARY VOCATIONAL-TECHNICAL INSTITUTION. THE SPECIFIC OBJECTIVES INCLUDE: (1) RESEARCH OF EXISTING STAFFING PATTERNS; (2) THE DEVELOPMENT OF OBJECTIVES FOR A STAFFING PATTERN FOR VOCATIONAL-TECHNICAL EDUCATION; (3) THE DEVELOPMENT OF SPECIFIC OBJECTIVES FOR THE IMPLEMENTATION OF THE PROGRAM; (4) THE DEVELOPMENT OF A MANAGEMENT STRATEGY; (5) THE DEVELOPMENT OF INDIVIDUALIZED INSTRUCTIONAL PACKAGES; (6) THE DEVELOPMENT OF AN EFFECTIVE DISSEMINATION SYSTEM; (7) THE DEVELOPMENT OF A MODEL FOR THE IMPLEMENTATION OF A DIFFERENTIATED STAFFING PATTERN IN AN EXISTING EDUCATIONAL STRUCTURE. THE PROCEDURE WILL BE THE PROCESS OF ACCOMPLISHING EACH OF THESE OBJECTIVES.

VTP 054
TITLE: AN EXPERIMENTAL RESEARCH PROJECT TO TEST A MORE EFFECTIVE MEANS TO ACHIEVE STATED WORK EXPERIENCE EDUCATION PROGRAM GOALS.

INVESTIGATOR: VALLADAO, WILLIAM P.
INSTITUTION: SAN JOAQUIN COUNTY SUPERINTENDENT OF SCHOOLS, STOCKTON, CALIF.
ADMINISTERED BY: CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SERVICES
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: TWO DISTINCT, BUT RELATED PROBLEMS, SERVE TO RELATE THE LEVEL OF ACHIEVEMENT OF VOCATIONAL GOALS USING A WORK EXPERIENCE EDUCATION PROGRAM. FIRST, BARRIERS EXIST TO THE CONTINUED EXPANSION OF BOTH THE TYPE AND COMPLEX OF REALISTIC WORK EXPERIENCES TO WHICH STUDENTS CAN BE MADE SUBJECT USING THIS PROGRAM APPROACH. SECONDLY, MANY STUDENTS WHO CAN BE VOCATIONALLY PREPARED SUCCESSFULLY USING THIS PROGRAM APPROACH ARE EXCLUDED FROM WORK STATION PLACEMENT; HENCE, EXPOSURE TO OCCUPATIONAL EXPERIENCE EITHER AVAILABLE OR OF A PROJECTED TYPE IS DENIED THEM. THIS SOLUTION APPROACH, TO BE INVESTIGATED, EXPLOITS THE NEWEST TECHNIQUES TO REDUCE THE HIGH LEVEL(S) OF DEMANDED SKILL ARISING FROM THE NEED TO COMPREHEND AND RETAIN COMPLEX PROCEDURAL STEPS IN CONNECTION WITH JOB PERFORMANCE. THE METHOD USED WILL CONSIST OF PREPARING A VALIDATED AND APPROPRIATE PROCEDURALIZED INSTRUCTION FOR USE BY STUDENTS ON-THE-JOB TO GUIDE IN ACHIEVING ASPECTS

OF REQUIRED PERFORMANCE NOT COVERED BY RELATED SCHOOL INSTRUCTION RECEIVED BY THE STUDENT. THE PROCEDURALIZED INSTRUCTIONS, TOGETHER WITH RELATED INSTRUCTION, WILL ENABLE THE STUDENT TO PERFORM COMPLEX PROCEDURAL TASKS WHICH CURRENTLY IMPOSE A HIGH LEVEL OF EXPERIENCE DEMANDED FOR ADEQUATE PERFORMANCE. EVALUATION OF THE TECHNIQUE PROPOSAL WILL CONSIST OF MEASURING THE EFFECTIVENESS OF STUDENT WORK STATIONS BEFORE AND AFTER THE INTRODUCTION OF PROCEDURALIZED INSTRUCTIONS AT 12 SELECTED JOB WORK STATIONS.

VTP 055
TITLE: YOUTH GUIDANCE SYSTEMS.

INVESTIGATOR: MCDANIEL, H.B., AND OTHERS
INSTITUTION: COLLEGE ENTRANCE EXAMINATION BOARD, PALO ALTO, CALIF.
ADMINISTERED BY: CALIFORNIA COORDINATING UNIT FOR OCCUPATIONAL RESEARCH AND DEVELOPMENT, SACRAMENTO
PROJECT DURATION: MAY 1, 1971 TO JUNE 1, 1973

OBJECTIVES: THE PURPOSE OF THIS PROJECT IS TO FURTHER DEVELOP AND TEST A MODEL GUIDANCE SYSTEM FOR SECONDARY SCHOOLS IN CALIFORNIA ESTABLISHING INFORMED VOCATIONAL-EDUCATIONAL DECISION MAKING BY STUDENTS AS THE MAJOR GOAL OF THE PROGRAM AND TO DELINEATE THE KINDS OF COOPERATIVE ACTIONS REQUIRED TO ESTABLISH THIS IMPORTANT EDUCATIONAL CHANGE IN THE SCHOOLS. FIVE REPRESENTATIVE PILOT SCHOOLS WILL PARTICIPATE IN THE PROGRAM FOR TWO YEARS. IN EACH SCHOOL, GUIDANCE COMMITTEES REPRESENTING TEACHERS, PARENTS, STUDENTS, BUSINESS REPRESENTATIVES AND SPECIALISTS WILL BE ESTABLISHED; SIX OR MORE GROUP GUIDANCE UNITS WILL BE CONDUCTED AT EACH GRADE LEVEL; ONE CRITICAL INNOVATIVE ACTIVITY, THE ADMINISTRATION AND INTERPRETATION OF RECENTLY TESTED STUDENT CHARACTERISTICS APPRAISAL INSTRUMENTS AND ARTICULATED MATERIALS WHICH TEACH DECISION MAKING WILL BE EMPLOYED; EVALUATION TECHNIQUES FOR ASSESSING BOTH PROCESS AND PRODUCT WILL BE DEVELOPED. THE SCHOOLS WILL BE PROVIDED NECESSARY CONSULTANT SERVICES. AN ACTIVE STATE-WIDE LIAISON COMMITTEE REPRESENTING ADMINISTRATORS, VOCATIONAL EDUCATION SPECIALISTS, AND COUNSELORS WILL BE MAINTAINED TO ENSURE BOTH COMMUNICATION AND SUPPORT FROM THESE GROUPS. THE PROJECT DIRECTOR AND SUPERVISING CONSULTANTS WILL MAINTAIN CONTINUED LEADERSHIP AND COMMUNICATION BY FREQUENT SCHOOL VISITS.

VTP 056
TITLE: COMPARATIVE COSTS OF MANPOWER EDUCATION: A METHODOLOGICAL STUDY.

INVESTIGATOR: OETTINGER, MARTIN P.
INSTITUTION: CALIFORNIA UNIV., DAVIS. DEPT. OF ECONOMICS
ADMINISTERED BY: CALIFORNIA COORDINATING UNIT FOR OCCUPATIONAL RESEARCH AND DEVELOPMENT, SACRAMENTO
PROJECT DURATION: APRIL 1, 1971 TO SEPTEMBER 30, 1971

OBJECTIVES: DUE TO THE LACK OF A CONCEPTUAL FRAMEWORK, THERE HAS BEEN LITTLE EVALUATION OF ONE MANPOWER EDUCATIONAL PROGRAM WITH ANOTHER. A METHODOLOGICAL MODEL FOR SUCH COMPARISONS IS THE OBJECTIVE OF THIS RESEARCH PROJECT. DATA FROM TRAINING PROGRAMS FOR AIRCRAFT MECHANICS WILL BE USED TO SHOW THE RELATIONSHIPS TO BE COMPARED, AND FOR TESTING THE METHODOLOGY WHEN THE MODEL IS DEVELOPED. THESE PROGRAMS WILL COME FROM THE NAVY, PRIVATE SCHOOLS, PUBLIC SCHOOLS, AND INDUSTRY. A VECTOR OF CHARACTERISTICS FOR EACH PROGRAM WILL BE CONSTRUCTED BY ENUMERATING THE SKILLS WHICH ARE THE OBJECTIVE OF THAT PROGRAM. EMPLOYERS WILL BE INTERVIEWED TO DETERMINE A SHADOW PRICE FOR EACH ELEMENT IN THE VECTOR. THE RESULTING PRICE VECTOR WILL BE USED AS WEIGHTS FOR THE VECTOR OF CHARACTERISTICS. THE COST PER TRAINEE FOR EACH PROGRAM WILL BE ASSOCIATED WITH HIS VECTOR OF CHARACTERISTICS, AND IT WILL BE DETERMINED WHICH ELEMENTS IN THE VECTOR HAVE THE MOST INFLUENCE ON COST. THE OPTIMAL PROGRAM WILL THEN BE DETERMINED ON THE BASIS OF CHARACTERISTICS, WEIGHTS, AND COST. A NONSTATISTICAL EVALUATION WILL BE MADE TO DETERMINE HOW THE COMPONENTS OF AN EDUCATIONAL PROGRAM COMPARE WITH THE CHARACTERISTICS DEMANDED BY EMPLOYERS. THE PURPOSE OF SUCH A MODEL IS: (1) TO PROVIDE A RELATIVE MEASURE OF PERFORMANCE FOR A PROGRAM; (2) TO DETERMINE WHERE PROGRAM CHANGES ARE APPROPRIATE. SUCH EVALUATION SHOULD LEAD TO AN EXCHANGE OF INFORMATION AND IDEAS WHICH WOULD RESULT IN IMPROVING VOCATIONAL EDUCATION.

VTP 057
TITLE: WORK EXPERIENCE EDUCATION RESEARCH FOR ACCOUNTABILITY.

INVESTIGATOR: SCHROEDER, WALTER
INSTITUTION: CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
ADMINISTERED BY: CALIFORNIA COORDINATING UNIT FOR OCCUPATIONAL RESEARCH AND DEVELOPMENT, SACRAMENTO
PROJECT DURATION: JULY 1, 1971 TO JUNE 30, 1972

OBJECTIVES: THE INTRODUCTORY PASSAGES OF THE NEW PUBLICATION WORK EXPERIENCE EDUCATION GUIDE FOR VOCATIONAL EDUCATION SECTION PERSONNEL, THE CALIFORNIA STATE CONSULTANT FOR WORK EXPERIENCE EDUCATION INDICATES THAT THERE IS MUCH CONFUSION ON WHAT WORK EXPERIENCE EDUCATION SHOULD BE ACCOMPLISHING. SOME INDIVIDUALS CONFUSE "WORK EXPERIENCE" AND "WORK EXPERIENCE EDUCATION" AND MANY COORDINATORS HAVE BEEN OPERATING PROGRAMS WITHOUT CLEARLY DEFINED GOALS AND OBJECTIVES. THE DOCUMENT GOALS, PROGRAM OBJECTIVES, PERFORMANCE OBJECTIVES AND EVALUATIVE CRITERIA FOR STUDENTS ENROLLED IN CALIFORNIA STATE PROGRAMS OF WORK EXPERIENCE EDUCATION IS AN ATTEMPT TO DISCOVER WHAT THESE GOALS AND OBJECTIVES MIGHT BE. THE PREFACE OF THIS PUBLICATION INDICATES THAT THE DOCUMENT IS INCOMPLETE AND THE MATERIAL HAS NOT BEEN TESTED IN THE CLASSROOM. THIS PROJECT IS DESIGNED TO PERFECT THE GOALS AND OBJECTIVES DEVELOPED BY THE CALIFORNIA STATE DEPARTMENT OF EDUCATION, PROVIDE INSTRUMENTS TO MEASURE THE OBJECTIVES, DEVELOP LEARNING ACTIVITIES FOR STUDENTS, AND FIELD TEST THE RESULTS BY APPLYING THESE GOALS, OBJECTIVES, AND ACTIVITIES TO STUDENTS IN ACTUAL ON-GOING WORK EXPERIENCE EDUCATION PROGRAMS. BEFORE THE 1971-72 SCHOOL YEAR COMMENCES, THE CALIFORNIA STATE POLYTECHNIC COLLEGE WILL HAVE THE GOALS, OBJECTIVES AND STUDENT ACTIVITIES DEVELOPED, AND WILL HAVE CONTACTED SIX (6) HIGH SCHOOLS FOR EVALUATION. AN ON-GOING EVALUATION OF THE EFFICIENCY AND EFFECTIVENESS OF THE PROJECT WILL BE UNDERTAKEN.

VTP 058
TITLE: A STUDY TO REDEFINE THE MANAGEMENT ORGANIZATION OF THE MANAGEMENT ORGANIZATION OF THE VOCATIONAL DIVISION OF THE ALABAMA STATE DEPARTMENT OF EDUCATION

INVESTIGATOR: MACFARLANE, IAN
INSTITUTION: FRY CONSULTANTS, INC., ATLANTA, GA.
ADMINISTERED BY: ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY

PROJECT DURATION: MARCH 30, 1971 TO MAY 15, 1971

OBJECTIVES: THE STUDY IS TO RE-DEFINE THE SCOPE OF THE ORGANIZATION OF THE VOCATIONAL DIVISION OF THE ALABAMA STATE DEPARTMENT OF EDUCATION. FRY CONSULTANTS INCORPORATED PROPOSES HEREIN TO CONDUCT AN ORGANIZATION PLANNING REVIEW OF THE VOCATIONAL DIVISION OF THE ALABAMA STATE DEPARTMENT OF EDUCATION, AND SUBMIT BY MAY 15, 1971, A RECOMMENDED PLAN OF ORGANIZATION INCLUDING A REVISED ORGANIZATIONAL CHART.

VTP 059
TITLE: THE VENTURA COUNTY MANPOWER PROJECTION MODEL.

INVESTIGATOR: LAWSON, WILLIAM H.; PIERCE, RAY
INSTITUTION: VENTURA COUNTY SUPERINTENDENT OF SCHOOLS, CALIF.
ADMINISTERED BY: CALIFORNIA COORDINATING UNIT FOR OCCUPATIONAL RESEARCH AND DEVELOPMENT, SACRAMENTO
PROJECT DURATION: MARCH 1, 1971 TO JUNE 30, 1972

OBJECTIVES: THIS IS A COOPERATIVE COUNTY SUPERINTENDENT OF SCHOOLS/COMMUNITY COLLEGE PROJECT, DESIGNED TO IDENTIFY AND DEVELOP A SHORT-TERM MANPOWER PROJECTION MODEL FOR THE VENTURA COUNTY STANDARD METROPOLITAN STATISTICAL AREA (SMSA) AND ITS ADJACENT LABOR MARKET AREAS. THIS DESCRIPTION INCLUDES ONLY PHASE I OF THE PROJECT. PHASE I IS ESSENTIALLY THE DESIGN OF THE MANPOWER PROJECTION MODEL AND ITS INITIAL FIELD TEST DEVELOPMENT. THE PHASE II EFFORTS WILL BE DIRECTED TOWARDS THE FURTHER EXPANSION OF THE MODEL AND ITS PRELIMINARY IMPLEMENTATION. THE RESEARCH INVOLVED IN THIS PROJECT WILL DETERMINE THE BEST PROJECTION TECHNIQUES TO USE FOR OBTAINING OCCUPATIONAL EMPLOYMENT DATA. THE EVALUATION COMPONENTS FOR THIS PROJECT WILL INCLUDE THE DESIGN OF AN EVALUATION SYSTEM FOR PHASE I THROUGH JUNE 30, 1972 AND WILL INCLUDE COMPARISON OF PROJECTED OCCUPATIONAL EMPLOYMENT NEEDS WITH ACTUAL EMPLOYER SURVEYS, STATE-WIDE ADVISORY COMMITTEE REVIEWS, AND AN INDEPENDENT EVALUATION CONSULTANT REPORT. THE MOST IMPORTANT EVALUATION FOR PHASE I WILL OCCUR AT THE END OF PHASE II BY JUNE 30, 1973, WHEN THE OCCUPATIONAL PROJECTIONS MADE IN PHASE I WILL BE COMPARED WITH THE ACTUAL OCCUPATIONAL EMPLOYMENT DATA AVAILABLE AT THAT TIME.

VTP 060
TITLE: A STUDY OF THE VIEW SYSTEM IN CALIFORNIA.

INVESTIGATOR: WHITFIELD, EDWIN A.
INSTITUTION: SAN DIEGO COUNTY DEPT. OF EDUCATION, CALIF.
ADMINISTERED BY: CALIFORNIA COORDINATING UNIT FOR OCCUPATIONAL RESEARCH AND DEVELOPMENT, SACRAMENTO
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: PROJECT VIEW, SINCE ITS INCEPTION IN SAN DIEGO IN 1965, HAS EXPERIENCED A BROAD GROWTH BOTH WITHIN CALIFORNIA AND THROUGHOUT THE NATION. THIS GROWTH OF VIEW, HOWEVER, HAS BEEN SUCH THAT NO STANDARDIZATION OR UNIFORM PROCEDURE HAS BEEN DEVELOPED TO MAKE VIEW A MOST EFFICIENT, LESS EXPENSIVE SYSTEM BY AVOIDING THE DUPLICATION OF EFFORT AND MATERIALS NOW TAKING PLACE. THIS PROPOSAL, TO BE COORDINATED THROUGH THE DEPARTMENT OF EDUCATION, SAN DIEGO COUNTY, IS A JOINT EFFORT OF THE TEN VIEW CENTERS NOW OPERATING WITHIN CALIFORNIA. A CONTRACTOR WILL BE EMPLOYED TO PERFORM THE FOLLOWING: (1) TO IDENTIFY AND ANALYZE THE COMMON ELEMENTS AND THE DIFFERENCES FOUND IN THE OPERATION OF THE VARIOUS CALIFORNIA VIEW PROGRAMS THROUGH SAMPLING VIEW ACTIVITIES IN SCHOOLS SERVED BY THESE VIEW CENTERS; (2) TO DETERMINE AND DESCRIBE THE PRACTICES WHICH ENHANCE OR INHIBIT THE MOST EFFECTIVE UTILIZATION OF VIEW IN THE SCHOOL SETTING; (3) TO DETERMINE THE MOST EFFICIENT AND ECONOMICAL METHOD FOR THE PRODUCTION, DISSEMINATION, AND UTILIZATION OF VIEW MATERIALS AS A GUIDANCE TOOL IN THE STATE; AND (4) TO DEVELOP A MODEL VIEW SYSTEM BASED UPON FINDINGS OBTAINED PERTAINING TO THE BEST PRODUCTION, DISSEMINATION, AND UTILIZATION TECHNIQUES. THIS PROJECT IS PRIMARILY AN EVALUATION PROJECT AND THE VARIOUS VIEW ACTIVITIES THROUGHOUT THE STATE WILL BE INCLUDED IN THIS SURVEY AND THE REPORT OF THE FINDINGS.

VTP 061
TITLE: EFFECTIVENESS OF OCCUPATIONAL TRAINING FOR DISADVANTAGED AND HANDICAPPED YOUTH AND ADULTS.

INVESTIGATOR: SWANSON, J. CHESTER
INSTITUTION: NAPA COUNTY SUPERINTENDENT OF SCHOOLS, CALIF.
ADMINISTERED BY: CALIFORNIA COORDINATING UNIT FOR OCCUPATIONAL RESEARCH AND DEVELOPMENT, SACRAMENTO
PROJECT DURATION: APRIL 1, 1971 TO MARCH 31, 1972

OBJECTIVES: A NUMBER OF AGENCIES HAVE SOME FORM OF OCCUPATIONAL TRAINING PROGRAMS FOR THE HANDICAPPED AND DISADVANTAGED. THIS PROJECT CALLS FOR $23,466 TO DETERMINE WHAT EACH AGENCY IS NOW DOING, WHAT IT COSTS TO DO IT, WHAT NEEDS ARE NOW BEING MET EFFECTIVELY, WHICH COULD BE MET MORE EFFECTIVELY, AND WHICH OCCUPATIONAL NEEDS OF THIS GROUP NOT NOW BEING MET, SHOULD BE. EVALUATION OF THE PROJECT WILL INCLUDE THE EVALUATION BY THE NAPA COUNTY ADVISORY BOARDS FOR THE HANDICAPPED AND FOR THE DISADVANTAGED, BOTH DURING THE OPERATION AND TERMINAL STATES. EVALUATION OF THE FINAL RESULTS WILL BE MADE ON AN EVALUATION FORM PROVIDED ALONG WITH THE RESULTS TO INTERESTED AGENCIES. AFTER REVIEW BY THESE ADVISORY BOARDS AND THE STAFF OF THE COUNTY SUPERINTENDENT'S OFFICE, THE CONSULTANT WILL FINALIZE THE OPERATIONAL EVALUATION ACTIVITIES. THE DATA DEVELOPED FROM THE OPERATIONAL EVALUATION ACTIVITIES WILL BE ANALYZED BY VALID RESEARCH METHODS AND THE RESULTS ORGANIZED TO JUSTIFY CONCLUSIONS AND RECOMMENDATIONS.

VTP 062
TITLE: A MODEL PROGRAM TO IMPROVE THE CLASSROOM INSTRUCTION, READING ABILITY AND UTILIZATION OF INSTRUCTIONAL MATERIALS OF SELECTED VOCATIONAL AND TECHNICAL STUDENTS.

INVESTIGATOR: MAHONY, JOSEPH E.; GARLICK, JOHN
INSTITUTION: PARKWAY WEST AREA TECHNICAL SCHOOL, OAKDALE, PA.
ADMINISTERED BY: PITTSBURGH UNIV., PA.
PROJECT DURATION: MARCH 1, 1971 TO JUNE 30, 1972

OBJECTIVES: THIS PROPOSAL IS INTENDED AS A MODEL PROGRAM TO INTEGRATE READING INTO THE PROCESS BY WHICH VOCATIONAL TECHNICAL SUBJECTS ARE TAUGHT. THE MODEL EMPLOYS A THREE PRONGED ATTACK. FIRST, THE READING MATERIALS USED BY STUDENTS IN SPECIFIC VOCATIONAL TECHNICAL AREAS WILL BE CAREFULLY ANALYZED. SECOND, TEACHERS WILL BE GIVEN IN-SERVICE TRAINING WHICH WILL EMPHASIZE TECHNIQUES BY WHICH READING SKILLS CAN BE INTEGRATED INTO THE VOCATIONAL TECHNICAL TEACHING PROCESS. THIRD, A STUDY SKILLS CENTER WILL BE DEVELOPED TO AID STUDENTS IN THE READING OF THEIR CONTENT MATERIAL AND INCREASE THEIR USAGE OF STUDY SKILLS.

VTP 063
TITLE: RESEARCH--FOUR YEAR CONTINUUM COOPERATIVE EDUCATION PROGRAMS.

INVESTIGATOR: BOWKER, ALBERT H.
INSTITUTION: NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.; CITY UNIV. OF NEW YORK, N.Y.
ADMINISTERED BY: NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF OCCUPATIONAL EDUCATION RESEARCH
PROJECT DURATION: OCTOBER 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THE OBJECTIVE OF THIS PROPOSAL IS TO DEVELOP A JOINT VENTURE TO INVESTIGATE THE FEASIBILITY OF A FOUR-YEAR CONTINUUM IN COOPERATIVE EDUCATION. STUDENTS WHO ARE ENROLLED IN THE HIGH SCHOOL COOPERATIVE PROGRAM WOULD, UPON GRADUATION FROM HIGH SCHOOL, ENROLL IN A COMMUNITY COLLEGE OFFERING A COMPATIBLE VOCATIONAL PROGRAM FOR THE NEXT TWO YEARS. A STUDENT WOULD BE ASSIGNED TO THE SAME COOPERATIVE EMPLOYER FOR THE ENTIRE FOUR YEARS OF THE CONTINUUM. ADMINISTRATORS OF THE CITY UNIVERSITY OF NEW YORK AND THE CITY BOARD OF EDUCATION WILL DIRECT THE PROJECT AND STUDY PROGRAMS TO DEVELOP THE MECHANISMS FOR PROGRAM IMPLEMENTATION. A STEERING COMMITTEE COMPOSED OF ALL INTERESTED PARTIES WILL BE FORMED TO INSURE THE ATTAINMENT OF MUTUAL GOALS. COOPERATING EMPLOYERS WOULD BE CONTACTED TO FACILITATE THE JOB-DEVELOPMENT ASPECTS OF THE PROGRAM.

VTP 064
TITLE: RESEARCH--NEW COOPERATIVE PROGRAMS WITH AREA MENTAL HEALTH AGENCIES FOR TRAINING OF MENTAL HEALTH WORKERS.

INVESTIGATOR: MILNE, DWIGHT R., JR.
INSTITUTION: NORTH COUNTRY COMMUNITY COLL., SARANAC LAKE, N.Y.
ADMINISTERED BY: NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF OCCUPATIONAL EDUCATION RESEARCH
PROJECT DURATION: JANUARY 1, 1971 TO JUNE 30, 1971

OBJECTIVES: THE PURPOSE OF THIS PROPOSAL IS TO STUDY, FORMULATE, AND IMPLEMENT AN ASSOCIATE DEGREE PROGRAM FOR TRAINING MENTAL HEALTH WORKERS AT THE PARAPROFESSIONAL LEVEL. THROUGH THE COOPERATION AND ADVICE OF THE VARIOUS MENTAL HEALTH AGENCIES, AN ATTEMPT WILL BE MADE TO SET UP THE NECESSARY ARRANGEMENTS FOR PLACES TO TRAIN AND EMPLOY STUDENTS IN THE FIELD. THROUGH THE USE OF QUESTIONNAIRES, ATTEMPTS WILL BE MADE TO ASCERTAIN IN MORE DETAIL THE INTEREST OF AREA WORKERS IN MENTAL HEALTH IN ADDITION TO SURVEYING HIGH SCHOOLS FOR STUDENT INTERESTS. WHILE THE STUDY IS BEING COMPLETED, AN ADVISORY COMMITTEE WILL BE MAKING FINAL APPROVAL OF THE CURRICULUM IN THE COMMUNITY COLLEGE.

VTP 065
TITLE: STUDY OF AN EDUCATIONAL PROGRAM INVOLVING EX-DRUG ADDICTS IN NASSAU COUNTY.

INVESTIGATOR: MORGENSTEIN, MELVIN; STRONGIN, HARRIET
INSTITUTION: NASSAU COMMUNITY COLL., LONG ISLAND, N.Y.
ADMINISTERED BY: NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF OCCUPATIONAL EDUCATION RESEARCH
PROJECT DURATION: JULY 1, 1970 TO JUNE 30, 1971

OBJECTIVES: THIS PROPOSAL DEALS WITH A LONG-RANGE STUDY TO PROVIDE MEANINGFUL INFORMATION TO OTHER DRUG THERAPEUTIC COMMUNITIES AND REHABILITATION CENTERS. IN ADDITION, THE STUDY WILL INVESTIGATE THE DRUG ADDICTS INVOLVED IN THE EVALUATION UNIT OF THE NASSAU COUNTY DRUG ABUSE AND ADDICTION COMMISSION. THE EDUCATIONAL PROGRAM CONSIDERS VOCATIONAL, PROFESSIONAL, AND CULTURAL ASPIRATIONS AS WELL AS CAPABILITIES AND ACHIEVEMENTS OF THE RESIDENTS AND CONTAINS PLANS FOR SPECIFIC EMPLOYMENT PREPARATION. THE PROGRAM WILL INVOLVE THE DEVELOPMENT OF APPROPRIATE PROMOTIONAL MATERIALS, EFFECTIVE ADVERTISING CAMPAIGNS, AND LIAISON WITH KEY SEGMENTS OF THE BUSINESS COMMUNITY. MORE DEFINITIVE PROCEDURES WILL BE DEVELOPED FOR THE INITIATION AND IMPLEMENTATION OF TRAINING PROGRAMS.

VTP 066
TITLE: UPDATING OCCUPATIONAL NEEDS STUDY FOR VOCATIONAL AND TECHNICAL EDUCATION IN DONA ANA COUNTY.

INVESTIGATOR: EDINGTON, EVERETT D.
INSTITUTION: NEW MEXICO STATE UNIV., LAS CRUCES
ADMINISTERED BY: NEW MEXICO OCCUPATIONAL RESEARCH AND DEVELOPMENT COORDINATING UNIT, SANTA FE
PROJECT DURATION: FEBRUARY 1971 TO JULY 1971

OBJECTIVES: THE OBJECTIVES OF THE PROJECT ARE: (1) DETERMINE THE VOCATIONAL AND TECHNICAL EDUCATION NEEDS FOR DONA ANA COUNTY, AND (2) DETERMINE THE STEPS NECESSARY FOR IMPLEMENTATION OF AN AREA TECHNICAL VOCATIONAL SCHOOL IN THE COUNTY. METHODOLOGY: THE FIRST PHASE OF THE PROJECT WILL BE TO REVIEW ALL VOCATIONAL AND TECHNICAL EDUCATION PROGRAMS AT THE THREE SCHOOL DISTRICTS IN THE COUNTY AND AT NEW MEXICO STATE UNIVERSITY. AN OCCUPATIONAL SURVEY OF THE BUSINESS AND INDUSTRIES IN THE COUNTY WILL COMPRISE THE SECOND PHASE.

VTP 067
TITLE: SUMMER RESEARCH FOR THE DEVELOPMENT OF A CURRICULUM IN BASIC COMMUNICATIONS SKILLS FOR THE EDUCATIONALLY DISADVANTAGED OR SPECIAL INTEREST VOCATIONAL STUDENT.

INVESTIGATOR: RADAKOVICH, DAN, AND OTHERS
INSTITUTION: WESTERN WYOMING COLL., ROCK SPRINGS, WYO.
ADMINISTERED BY: WYOMING STATE DEPT. OF EDUCATION, CHEYENNE
PROJECT DURATION: JUNE 1971 TO AUGUST 1971

OBJECTIVES: THE OBJECTIVES OF THIS PROJECT ARE: (1) TO REVIEW TEXTS AND OTHER MATERIALS FROM VARIOUS SOURCES THAT MIGHT BE OF VALUE IN PREPARING A COMMUNICATIONS SKILLS COURSE FOR THE EDUCATIONALLY DISADVANTAGED OR SPECIAL INTEREST VOCATIONAL STUDENT; (2) TO EVALUATE AND SELECT ITEMS FROM THESE SOURCES TO PROVIDE NECESSARY COMMUNICATIONS SKILLS THAT WILL MEET THE NEEDS OF THE EDUCATIONALLY DISADVANTAGED OR SPECIAL INTEREST VOCATIONAL STUDENT; (3) TO PREPARE A DETAILED SYLLABUS FOR A COMMUNICATION SKILLS COURSE OFFERING SUGGESTIONS IN MATERIALS, METHOD, AND TECHNIQUE IN AREAS OF READING, WRITING, SPEAKING, AND LISTENING; AND (4) TO PREPARE A WORKBOOK FOR PRACTICAL TECHNICAL AND RELATED WRITING FOR VOCATIONAL STUDENTS TO SERVE AS THE CORE OF A COURSE IN PRACTICAL WRITING FOR INDUSTRIAL TRADES.

VTP 068
TITLE: SIMULATION AS A FEEDBACK MECHANISM IN TRAINING ENGINEERING DRAFTSMEN.

INVESTIGATOR: ALTUS, DAVID M.

INSTITUTION: NEW MEXICO STATE UNIV., LAS CRUCES
ADMINISTERED BY: NEW MEXICO OCCUPATIONAL RESEARCH AND DEVELOPMENT COORDINATING UNIT, SANTA FE
PROJECT DURATION: JANUARY 1971 TO JUNE 1971

OBJECTIVES: THIS STUDY SEEKS TO EMPLOY SIMULATION AS A TECHNIQUE FOR SENSITIZING THE STUDENT TO POTENTIAL PROBLEMS HIS DECISIONS CONCERNING THE LOCATION OF CRITICAL COMPONENTS MAY PRODUCE FOR THOSE WHO MUST USE THE FINISHED DRAWING. THE STUDY INCLUDES: (1) THE PROVISION OF FIVE PROBLEM SITUATIONS IN MECHANICAL DETAILING, AND FIVE PROBLEM SITUATIONS IN ELECTRONICS DRAFTING AND DESIGN; (2) THE PREPARATION OF FEEDBACK MATERIALS FOR EACH OF THE TEN STIMULUS SITUATIONS; AND (3) THE FIELD TRIAL OF THESE MATERIALS UNDER EXPERIMENTAL CONDITIONS USING STUDENTS ENROLLED IN DRAFTING CLASSES IN THE ENGINEERING TECHNOLOGY DEPARTMENT AT NEW MEXICO STATE UNIVERSITY DURING THE SPRING TERM OF 1971. DATA WILL BE ANALYZED USING THE TWO-FACTOR ANALYSIS OF VARIANCE WITH REPEATED MEASURES ON ONE FACTOR.

VTP 069
TITLE: A STUDY OF THE VOCATIONAL EDUCATION OF HANDICAPPED PERSONS IN HORTICULTURE.

INVESTIGATOR: STEVENS, ALAN B.
INSTITUTION: NEW MEXICO STATE UNIV., LAS CRUCES
ADMINISTERED BY: NEW MEXICO OCCUPATIONAL RESEARCH AND DEVELOPMENT COORDINATING UNIT, SANTA FE
PROJECT DURATION: FEBRUARY 1971 TO AUGUST 1971

OBJECTIVES: THE OBJECTIVES ARE: (1) TO DEVELOP HORTICULTURAL TEACHING TECHNIQUES WHICH CAN BE UTILIZED TO TEACH HANDICAPPED PERSONS, AND (2) TO EVALUATE THESE TECHNIQUES AS EFFECTIVE TOOLS FOR PREPARING THE HANDICAPPED FOR EMPLOYMENT IN HORTICULTURAL OCCUPATIONS. METHODOLOGY: INDIVIDUAL CASE STUDIES WILL BE UTILIZED IN CONDUCTING THE STUDY.

VTP 070
TITLE: EDUCATION IN AGRICULTURE FOR THE EDUCATIONALLY DISADVANTAGED.

INVESTIGATOR: CURTIS, SAMUEL M.
INSTITUTION: PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: JULY 1, 1971 TO JUNE 30, 1974

OBJECTIVES: THE PURPOSE OF THE PROJECT IS TO PREPARE AND EVALUATE SUBJECT MATTER UNITS SPECIFICALLY PREPARED FOR THE EDUCATIONALLY DISADVANTAGED STUDENT. A SECOND PURPOSE IS TO IMPROVE TEACHERS' PROFICIENCY IN TEACHING THE DISADVANTAGED AND TO ASSEMBLE VOCATIONAL GUIDANCE MATERIAL FOR TEACHER USE. ALSO, THE PROJECT WILL IDENTIFY EDUCATIONALLY DISADVANTAGED YOUTH WHO COULD BENEFIT FROM INSTRUCTION IN AGRICULTURAL EDUCATION OCCUPATIONAL COMPETENCY. FOUR GRADUATE ASSISTANTS, INCLUDING ONE FROM SPECIAL EDUCATION, WILL BE SELECTED TO PREPARE THE EDUCATIONAL MATERIAL. THE SUMMER INSTITUTE FOR 20 TEACHERS WILL UTILIZE EXPERTS FROM VOCATIONAL AND SPECIAL EDUCATION. THE EDUCATIONAL MATERIALS WILL BE FIELD TESTED BY THE TEACHERS WHO ATTEND THE INSTITUTE BEFORE THEY ARE GENERALLY DISTRIBUTED. AN ADVISORY COMMITTEE CONSISTING OF PERSONNEL FROM VOCATIONAL EDUCATION AND SPECIAL EDUCATION WILL BE UTILIZED. A COMPREHENSIVE EVALUATION OF THE PROJECT WILL BE MADE INCLUDING THE USE OF CONTROL GROUPS SO THAT THE EFFECTS OF THE PROJECT CAN BE ACCURATELY MEASURED.

VTP 071
TITLE: A STUDY TO DETERMINE THE EFFECTIVENESS OF THE LABORATORY TECHNICIAN PROGRAM IN PLACING STUDENTS IN THIS OR ANY RELATED PARA-PROFESSIONAL HEALTH FIELD.

INVESTIGATOR: EASLEY, ROBERT D.
INSTITUTION: PITTSBURGH SCHOOL DISTRICT, PA. OCCUPATIONAL, VOCATIONAL, AND TECHNICAL DIV.
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: MARCH 1, 1971 TO JUNE 30, 1971

OBJECTIVES: THE SURVEY'S PURPOSE IS TO EVALUATE THE EFFORTS OF THE THREE PROGRAMS OF LABORATORY TECHNOLOGY IN THE PITTSBURGH PUBLIC SCHOOLS. CRITERIA FOR PROGRAM/MARKET RESPONSIVENESS WILL BE THE STUDENT'S PLACEMENT DIRECTLY INTO THE PARAPROFESSIONAL HEALTH FIELD OR IN AN ADVANCED COURSE OF STUDY IN THE FIELD. THESE RESULTS CAN BE USED TO DETERMINE THE FEASIBILITY OF CONTINUING THE PROGRAM AT ITS PRESENT LEVEL OR PLANNING FOR PROGRAM EXPANSION OR REDUCTION. AN EFFORT WILL BE MADE TO CONTACT ALL STUDENTS WHO HAVE GRADUATED FROM THE LABORATORY TECHNICIAN PROGRAM AT ALL OF THE SCHOOLS FOR A PERIOD OF AT LEAST THREE YEARS. THESE STUDENTS WILL BE ASKED TO ANSWER A QUESTIONNAIRE AND RETURN IT TO THE INVESTIGATOR. AS MUCH PERSONAL CONTACT AS POSSIBLE WILL BE MADE WITH THESE PEOPLE FOR THE EXPRESS PURPOSE OF INDIVIDUAL CONTACT AND FURTHER DOCUMENTATION. THE MAIN OBJECTIVE IS TO DETERMINE WHY THEY SELECTED THIS FIELD AND HOW THEY ENTERED IT. THIS DATA CAN THEN BE USED TO HELP US IN STUDENT ENROLLMENT AND IN BUILDING A GREATER INTEREST AND AWARENESS OF THIS VOCATION IN THE SCHOOL SYSTEM.

VTP 072
TITLE: AN ASSESSMENT OF THE ADEQUACY OF VOCATIONAL TECHNICAL AND INDUSTRIAL EDUCATION PROGRAMS IN THE SECONDARY SCHOOLS OF PENNSYLVANIA IN MEETING DROPOUT PRONE STUDENTS' NEEDS.

INVESTIGATOR: KLINGLER, ROBERT D.
INSTITUTION: TEMPLE UNIV., PHILADELPHIA, PA.
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: MARCH 25, 1971 TO MARCH 24, 1972

OBJECTIVES: THE PURPOSE OF THIS STUDY IS TO DETERMINE HOW PRESENT PROGRAMS IN VOCATIONAL, TECHNICAL, AND INDUSTRIAL EDUCATION ARE MEETING THE PRE-EMPLOYMENT TRAINING NEEDS OF DROPOUT PRONE STUDENTS WHO ARE ENROLLED IN THE SECONDARY SCHOOLS OF PENNSYLVANIA. THE PROCEDURE WILL INCLUDE THE FOLLOWING: (1) REVIEW THE LITERATURE TO ESTABLISH THE CURRENT STATUS OF THE ART, (2) DEVELOP A PERT SEQUENCE OF EVENTS, (3) SET UP DATA COLLECTION INSTRUMENTS AND TECHNIQUES, AND (4) SELECT A RANDOM SAMPLE TO USE IN COLLECTING AND ANALYZING DATA. THE CONCLUSIONS WILL RESULT IN DESCRIBING OUTCOMES, RECOMMENDATIONS, AND MODELS.

VTP 073
TITLE: SUPERVISED INDEPENDENT STUDY PROGRAM.

INVESTIGATOR: ROSS, H. JAMES
INSTITUTION: BUCKS COUNTY PUBLIC SCHOOLS, DOYLESTOWN, PA.
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: JULY 1, 1971 TO JUNE 30, 1972

OBJECTIVES: THE PURPOSES OF THIS PROGRAM ARE: TO PROVIDE EDUCATIONAL OPPORTUNITIES FOR THE DISADVANTAGED AND HANDICAPPED INDIVIDUALS RESIDING IN BUCKS COUNTY; SPECIFICALLY THIS PROGRAM WILL PROVIDE A VEHICLE FOR SUPERVISED INDEPENDENT STUDY FOR THE SCHOOL DROPOUT, THE UNDEREMPLOYED AND THE UNEMPLOYED, THE SOCIALLY AND CULTURALLY DISADVANTAGED AND FOR THOSE PERSONS WITH SPECIAL NEEDS WHO ARE NOT PRESENTLY PROVIDED FOR IN THE FORMAL EDUCATION PROGRAMS CURRENTLY AVAILABLE. THE DESIGN OF THIS PROGRAM WILL ENSURE THAT THOSE INDIVIDUALS, ONCE INVOLVED, WILL BE INDIVIDUALLY COUNSELLED AND SUPERVISED UNTIL THEIR DESIRED PERSONAL EDUCATIONAL OBJECTIVES AND ASPIRATIONS ARE ATTAINED WITH RESPECT TO GAINFUL EMPLOYMENT. THE SUPPORT OF BUSINESS AND INDUSTRY WILL BE ELICITED WITH RESPECT TO PROVIDING AN UP-TO-DATE FEEDBACK FOR COUNSELLING, AS WELL AS THAT OF PROVIDING PROGRAMS FOR INDIVIDUALS AND GROUPS WITHIN BUSINESS AND INDUSTRY WHO NEED RETRAINING AS EMPLOYMENT CONDITIONS CHANGE.

VTP 074
TITLE: SLIDES AS A VISUAL SUPPLEMENT TO THE CARPENTRY CURRICULUM.

INVESTIGATOR: BOUNDS, JESSE S.
INSTITUTION: PITTSBURGH SCHOOL DISTRICT, PA. OCCUPATIONAL, VOCATIONAL, AND TECHNICAL DIV.
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: MARCH 1, 1971 TO AUGUST 13, 1971

OBJECTIVES: THE PURPOSE OF THIS PROJECT IS TO PREPARE A RELEVANT VISUAL SUPPLEMENT OF 35 MM. COLORED SLIDES FOR THE VOCATIONAL CARPENTRY CURRICULUM. THE SLIDES WILL DEPICT THE VARIOUS STAGES OF HOUSE CONSTRUCTION FROM FOUNDATION TO COMPLETION. UTILIZING A CAREFULLY DOCUMENTED SLIDE PRESENTATION, THE LEARNER WILL BE ABLE TO VISUALLY PERCEIVE THE COMPLEXITIES OF HOUSE CONSTRUCTION, A HISTORICAL PERSPECTIVE OF MAN'S SHELTER, AND ON-THE-JOB PROBLEMS THAT ARE VIRTUALLY IMPOSSIBLE TO DUPLICATE WITHIN THE CONFINES OF THE CLASSROOM. THE VISUALS WILL BE DEVELOPED FROM ON-SITE VISITS TO HOUSES UNDER CONSTRUCTION AND COMPLETED HOUSES THAT BEST ILLUSTRATE THE OBJECTIVES OF THE CURRICULUM AND PORTRAY CURRENT PRACTICES IN THE HOME BUILDING INDUSTRY.

VTP 075
TITLE: DEVELOPMENT AND PREPARATION OF A CHEMICAL TECHNOLOGY COURSE MANUAL VOLUME I.

INVESTIGATOR: STEWART, R.B., JR.
INSTITUTION: CENTRAL CHESTER COUNTY VOCATIONAL TECHNICAL SCHOOL, COATESVILLE, PA.
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: JANUARY 1, 1971 TO DECEMBER 31, 1971

OBJECTIVES: THIS PROPOSAL HAS THE SPECIFIC OBJECTIVE TO PREPARE VOLUME I OF A SECONDARY LEVEL CHEMICAL TECHNOLOGY COURSE MANUAL. THE MANUAL WILL BE SIMILAR IN DESIGN TO A NAVY RATE TRAINING MANUAL IN LANGUAGE LEVEL AND LITERARY STYLE WITH EXERCISES AND LABORATORY EXPERIMENTS IMMEDIATELY FOLLOWING APPROPRIATE TEXTURAL MATERIAL. IT WILL DIFFER FROM RATE TRAINING MANUALS IN THAT A GLOSSARY WILL PRECEDE EACH CHAPTER OF THE COURSE MANUAL. PLANNING PROVIDES FOR ONE IN-SERVICE MEETING FOR 11 CHEMICAL TECHNOLOGY TEACHERS. THE NEED FOR SUCH A MANUAL EXISTS AS EVIDENCED BY THE FACT THAT NO SUCH COURSE MANUAL EXISTS AND THAT COURSE MATERIAL IS PRESENTLY DRAWN FROM AS MANY AS THIRTY TEXTS AND REFERENCES.

VTP 076
TITLE: AN EDUCATIONAL APPLICATION OF QUEUEING THEORY.

INVESTIGATOR: DAVIS, FRANK S., JR.
INSTITUTION: BLOOMSBURG STATE COLL., PA.
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: MARCH 1971 TO MARCH 1972

OBJECTIVES: THE PURPOSE OF THIS STUDY IS TWOFOLD: FIRST, TO DEVELOP A MODEL WHICH WILL ALLOW SIMULATION TECHNIQUES TO BE APPLIED TO THE INVESTIGATION OF THE INTERRELATIONSHIPS BETWEEN STUDENTS AND TEACHERS IN THE INDIVIDUALIZED CLASSROOM; AND SECOND, TO GATHER DATA AND TO SIMULATE TWO TYPES OF CLASSROOMS UTILIZING THE RESULTING COMPUTER PROGRAM. A SIMULATION MODEL WILL BE DEVELOPED AND A COMPUTER PROGRAM WRITTEN WHICH WILL ALLOW THE INDIVIDUALIZED CLASSROOM TO BE SIMULATED USING QUEUEING TECHNIQUES. DATA WILL BE GATHERED IN TYPEWRITING AND OFFICE MACHINE CLASSROOMS. THESE DATA WILL THEN BE USED TO SIMULATE THE CLASSROOMS WITH VARIOUS MANIPULATIONS INCLUDING CHANGES IN THE NUMBER OF STUDENTS AND THE NUMBER OF TEACHERS. THE OUTPUT OF THE PROGRAM WILL BE DETAILED LISTINGS GIVING THE TIME EACH STUDENT WAITS FOR AN ANSWER TO HIS QUESTION, AND SUMMARY MATERIAL INDICATING THE TOTAL IDLE TIME FOR EACH TEACHER, THE AVERAGE TOTAL TIME IN THE SYSTEM, AND THE AVERAGE WAITING TIME.

VTP 077
TITLE: PROJECT GIVE (GUIDANCE IN VOCATIONAL EDUCATION): ELEMENTARY.

INVESTIGATOR: CULP, WILLIAM H.
INSTITUTION: GANNON COLL., ERIE, PA.
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: MARCH 1971 TO JULY 1972

OBJECTIVES: THE PURPOSE OF THIS PROJECT IS TO: (1) TO ASSIST CLASSROOM TEACHERS IN DEVELOPING A COMPREHENSIVE SEQUENTIAL PLANNED VOCATIONAL GUIDANCE PROGRAM, (2) TO PROVIDE THE TEACHERS WITH TRYOUT WORK EXPERIENCES IN A VOCATIONAL TECHNICAL SCHOOL, (3) TO PROVIDE THE TEACHERS WITH AN UNDERSTANDING OF SELECTED THEORIES OF VOCATIONAL CHOICE AND DEVELOPMENT, (4) TO PROVIDE THE TEACHERS WITH A KNOWLEDGE OF STANDARDIZED TESTS AND USE OF TEST DATA TO EXAMINE DIFFERENCES IN GENERAL ABILITY, INTERESTS, AND PERSONALITY, (5) TO PROVIDE THE TEACHERS WITH AN UNDERSTANDING OF THE VOCATIONAL OPPORTUNITIES AVAILABLE TO STUDENTS, AND (6) TO PREPARE BEHAVIORAL OBJECTIVES FOR DEVELOPMENTAL VOCATIONAL EDUCATION IN THE ELEMENTARY SCHOOL. THIRTY ELEMENTARY TEACHERS FROM NORTH-WESTERN PENNSYLVANIA WILL SPEND EIGHT WEEKS AT GANNON COLLEGE. TWO OF THESE WEEKS WILL BE DEVOTED TO GIVING THE TEACHER WORK EXPERIENCES IN VARIOUS OCCUPATIONS; ONE WEEK WILL BE DEVOTED TO EXAMINING THE VOCATIONAL OPPORTUNITIES AVAILABLE TO STUDENTS IN THE LOCAL AREA; AND ANOTHER WEEK THE TEACHERS WILL UNDERGO TESTING AND VOCATIONAL COUNSELING. THE REMAINING TIME WILL BE USED TO MAKE PLANS FOR INCLUDING VOCATIONAL EDUCATION IN THE ELEMENTARY CLASSROOM, EXAMINING VOCATIONAL DEVELOPMENT THEORIES, AND PREPARING CURRICULUM.

VTP 078
TITLE: PRACTICAL NURSING LICENSING EXAM ACHIEVEMENT RELATIONSHIP TO WORK PERFORMANCE AND RETENTION.

INVESTIGATOR: CLUGH, RAYMOND W.
INSTITUTION: PENNSYLVANIA HEALTH COUNCIL, INC., CAMP HILL
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG. BUREAU OF VOCATIONAL, TECHNICAL AND CONTINUING EDUCATION
PROJECT DURATION: FEBRUARY 1, 1971 TO JUNE 1, 1972

OBJECTIVES: THE OBJECTIVES OF THE PROPOSAL ARE: (1) TO ASSESS THE CORRELATION OF STATE BOARD ACHIEVEMENT WITH JOB SATISFACTION AND LENGTH OF RETENTION IN THE FIELD OF PRACTICAL NURSING, (2) TO DETERMINE THOSE FACULTY QUALIFICATIONS WHICH ARE NECESSARY TO PRODUCE ABOVE AVERAGE ACHIEVEMENT IN THE STATE BOARD EXAMINATION FOR GRADUATE PRACTICAL NURSES, (3) TO DETERMINE THE PERCENTAGE OF SOCIOECONOMICALLY DISADVANTAGED PRACTICAL NURSING STUDENTS WHO COMPLETE THE MINIMUM REQUIREMENTS FOR ELIGIBILITY TO SIT FOR THE STATE BOARD EXAMINATION AS COMPARED WITH THE PERCENTAGE OF NONDISADVANTAGED STUDENTS WHO COMPLETE THE PROGRAMS, AND (4) TO COMPARE SELECTED PERSONAL AND ACADEMIC CHARACTERISTICS OF GRADUATE PRACTICAL NURSES WHO ARE SOCIOECONOMICALLY DISADVANTAGED WITH THOSE WHO ARE NOT THUS DISADVANTAGED. PROCEDURES: THIS PROPOSAL IS DESIGNED AS A RESEARCH PROJECT OVER A THREE-YEAR PERIOD. QUARTERLY PROGRESS REPORTS WILL BE SUBMITTED. AT THE CONCLUSION OF THE PROJECT COMPREHENSIVE STATISTICS WILL BE COMPILED. IT IS INTENDED, ALSO, THAT INTERIM REPORTS DERIVED FROM DATA OBTAINED WILL BE PREPARED AND PRODUCED AS TIME ALLOWS.

VTP 079
TITLE: THE STATUS OF FUTURE BUSINESS LEADERS OF AMERICA CHAPTER ACTIVITIES IN THE STATE OF PENNSYLVANIA--1967-1970.

INVESTIGATOR: NAGLE, ALMA DORIS
INSTITUTION: INDIANA UNIV. OF PENNSYLVANIA
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: SEPTEMBER 1, 1970 TO SEPTEMBER 1, 1971

OBJECTIVES: RESEARCH BASED ON THE SURVEY METHOD INTO THE ACTIVITIES OF FUTURE BUSINESS LEADERS OF AMERICA (FBLA) HAS NEVER BEEN DONE IN PENNSYLVANIA. THIS PROJECT IS FOR THE PURPOSE OF DETERMINING THE STATUS OF THESE ACTIVITIES AND FOR PROVIDING INTERESTED CHAPTERS WITH INFORMATION AND IDEAS OF SUCCESS IN OTHER CHAPTERS REGARDING THE KINDS OF ACTIVITIES CARRIED ON, THE REASONS FOR CHAPTER SUCCESS IN THEM, AND WHAT THE ADVISORS ARE ABLE TO CONTRIBUTE TO THE SUCCESS OF THE CLUBS. QUESTIONNAIRES WERE MAILED TO A REPRESENTATIVE STUDENT AND THE ADVISOR OF ALL 150 ACTIVE CHAPTERS IN PENNSYLVANIA. INTERVIEWS ARE TO BE MADE TO ONE STUDENT AND ONE ADVISOR IN EACH OF THE REGIONS OF THE STATE. ANALYSIS IS TO BE MADE OF THE DATA GATHERED AND THE INFORMATION GAINED WILL BE SHARED WITH ALL THE CHAPTERS IN THE STATE.

VTP 080
TITLE: A LONGITUDINAL STUDY OF VOCATIONAL DEVELOPMENT AND PROGRAM EVALUATION: IMPLICATIONS FOR CURRICULUM PLANNING AND VOCATIONAL GUIDANCE.

INVESTIGATOR: IMPELLITTERI, JOSEPH T.
INSTITUTION: PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
ADMINISTERED BY: PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG
PROJECT DURATION: APRIL 1, 1971 TO JUNE 30, 1972

OBJECTIVES: THE PURPOSE OF THIS PROPOSED RESEARCH IS TO INVESTIGATE IN A LONGITUDINAL MANNER THE VOCATIONAL DEVELOPMENT OF OVER 3,000 BOYS AND GIRLS ENROLLED IN NINTH OR ELEVENTH GRADE IN THE ALTOONA, HAZLETON AND WILLIAMSPORT SCHOOL SYSTEMS. THE STUDY HAD BEEN DESIGNED TO HAVE IMPLICATIONS FOR BOTH VOCATIONAL CURRICULUM PLANNING AND VOCATIONAL GUIDANCE. THE GENERAL DESIGN OF THE PROPOSED STUDY IS LONGITUDINAL AND DEVELOPMENT. SELECTED CHARACTERISTICS OF THE GROUP OF NINTH AND ELEVENTH GRADE BOYS AND GIRLS WILL BE CHARTED OVER THREE YEARS. BASED UPON STUDENT CHANGES THAT OCCUR OVER EACH ONE YEAR PERIOD CERTAIN IMPLICATIONS WILL BE DRAWN REGARDING PROGRAM EFFECTS AND THE NATURE OF THEIR VOCATIONAL DEVELOPMENT.

VTP 081
TITLE: A SYSTEM FOR EVALUATION OF VOCATIONAL-TECHNICAL EDUCATION.

INVESTIGATOR: HALE, JAMES
INSTITUTION: NEW MEXICO UNIV., ALBUQUERQUE
ADMINISTERED BY: NEW MEXICO OCCUPATIONAL RESEARCH AND DEVELOPMENT COORDINATING UNIT, SANTA FE
PROJECT DURATION: FEBRUARY 1, 1971 TO FEBRUARY 1, 1972

OBJECTIVES: THE PRIMARY OBJECTIVE IS TO COMPUTERIZE ENROLLMENTS, PROGRAMS, COURSES, OTHER DATA, AND A FOLLOW-UP SYSTEM AS A PART OF AN EVALUATION SYSTEM FOR THE DEPARTMENT OF VOCATIONAL AND TECHNICAL EDUCATION IN NEW MEXICO. METHODOLOGY: IN-SERVICE WORKSHOP TO ORIENT TEACHERS WILL BE USED IN SETTING UP THE PROGRAM.

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RESEARCH AND DEVELOPMENT SERIES (RD)

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PUBLICATIONS (cont.)

Series No.	Publication Title (RD)	Center	Availability EDRS
25	A Guide for Planning Facilities for Occupational Preparation Programs for Medical X-Ray Technicians, by James D. MacConnell and others, April, 1969	$2.00	ED 028 283 MF-$ .65, HC-$ 3.29
26	A Guide for Planning Facilities for Occupational Preparation Programs for Medical Assistants, by James D. MacConnell and others, April, 1969	$2.00	ED 029 117 MF-$ .65, HC-$ 3.29
27	A Guide for Planning Facilities for Occupational Preparation Programs for Medical Secretaries, by James D. MacConnell, April, 1969	$2.00	ED 029 120 MF-$ .65, HC-$ 3.29
28	A Guide for Planning Facilities for Occupational Preparation Programs for Dental Laboratory Technicians, by James D. MacConnell and others, May, 1969	$2.00	ED 029 127 MF-$ .65, HC-$ 3.29
29	A Guide for Planning Facilities for Occupational Preparation Programs for Dental Assistants, by James D. MacConnell and others, May, 1969	$2.00	ED 029 965 MF-$ .65, HC-$ 3.29
30	A Guide for Planning Facilities for Occupational Preparation Programs for Dental Hygienists, by James D. MacConnell and others, May, 1969	$2.00	ED 029 966 MF-$ .65, HC-$ 3.29
31	The Identification of Opinion Leaders Among Teachers of Vocational Agriculture, by James W. Hensel and Cecil H. Johnson, Jr., June, 1969	$2.00	ED 030 764 MF-$ .65, HC-$ 3.29
32	Vocational Development of Disadvantaged Junior High School Students, by Robert E. Campbell and others, August, 1969	$2.00	ED 032 427 MF-$ .65, HC-$ 3.29
33	Changing the Response of Vocational Students to Supervision: The Use of Motion Pictures and Group Discussion, by Ralph M. Stogdill and Walter R. Bailey, September, 1969	$1.50	ED 032 430 MF-$ .65, HC-$ 3.29
34	A System for State Evaluation of Vocational Education, Interim Report, by Harold Starr, August, 1969	$2.00	ED 032 436 MF-$ .65, HC-$ 3.29
35	Supervision and Decision-Making Skills in Vocational Education: A Training Program Utilizing Simulation Techniques, by Dick C. Rice and Richard F. Meckley, January, 1970	$3.00	ED 038 501 MF-$ .65, HC-$ 6.58
36	Simulation Training in Planning Vocational Education Programs and Facilities, by Richard F. Meckley and others, April, 1970	$3.50	ED 039 335 MF-$ .65, HC-$ 9.87
37	Problems in the Transition from School to Work as Perceived by Youth Opportunity Center Counselors, by Donald F. Eggeman and others, December, 1969	$2.50	ED 036 626 MF-$ .65, HC-$ 3.29
38	A Health Career Development Program for the Rural High School, by Harold R. Rowe, June, 1970	--	ED 042 013 MF-$ .65, HC-$ 6.58
39	A System for State Evaluation of Vocational Education, Final Report, by Harold Starr and others, May, 1970	$3.50	ED 041 121 MF-$ .65, HC-$ 6.58
40	Assessment of Micro-Teaching and Video Recording in Vocational and Technical Teacher Education: Phase X--Remote Feedback Techniques for Inservice Education, by Walter A. Cameron and Calvin J. Cotrell, August, 1970	$2.00	ED 042 901 MF-$ .65, HC-$ 3.29
41	The Relationship of Group Structural Properties and Communication Behavior Patterns to Opinion Leadership Among Teachers, by Garry R. Bice, August, 1970	--	ED 042 908 MF-$ .65, HC-$ 3.29
42	High School Senior Girls and the World of Work: Occupational Knowledge, Attitudes, and Plans, by Sylvia L. Lee and others, January, 1971	--	ED 047 155 MF-$ .65, HC-$ 3.29
43	Worker Adjustment Problems of Youth in Transition From High School to Work, by A.P. Gerbin and others, December, 1970	--	ED 045 850 MF-$ .65, HC-$ 9.87
44	Response of Vocational Students to Supervision, by Ralph M. Stogdill and others, December, 1970	--	ED 045 845 MF-$ .65, HC-$ 3.29
45	The Systems Approach: An Emerging Behavioral Model for Vocational Guidance, A Summary Report, by Robert E. Campbell and others, January, 1971	--	ED 047 127 MF-$ .65, HC-$ 3.29
46	Planning Ahead for the World of Work - Curriculum Materials, by Louise Vetter and Barbara J. Sethney, January, 1971	--	ED 050 [illegible] MF-$ .65, HC-$ 3.29
47	Guide for State Vocational-Technical Education Information Dissemination Systems, by Celianna I. Taylor and Joel H. Magisos, 1971	$3.00	ED 048 [illegible] MF-$ .65, HC-$ 9.87

LEADERSHIP TRAINING SERIES (LT)

Series No.	Publication Title (LT)	Availability Center	Availability EDRS
1	Program Development and Research, Report of a National Seminar on Agricultural Education, by Robert E. Taylor, August, 1965	--	ED 011 036 MF-$ .65, HC-$ 6.58
2	Guidance in Vocational Education--Guidelines for Research and Practice, by Robert E. Campbell, 1966	--	ED 011 922 MF-$ .65, HC-$ 6.58
3	Guidelines for State Supervisors of Office Occupations Education, by R.D. Balthaser and Bruce I. Blackstone, 1965	--	VT 001 266 (In ED 017 746, ARM microfiche set)
4	National Vocational-Technical Education Seminar on the Development and Coordination of Research by State Research Coordinating Units, by Virgil E. Christensen, February, 1966	--	ED 011 042 MF-$ .65, HC-$ 3.29
5	Research Planning Conference for Business and Office Education, March, 1966	--	ED 013 304 MF-$ .65, HC-$ 6.58
6	Program Development for Occupational Education, A Report of a National Seminar for Leaders in Home Economics Education, by Sylvia L. Lee and Kathleen Howell, March, 1966	--	ED 011 040 MF-$ .65, HC-$ 6.58
7	Trade and Industrial Teacher Education, Report of a National Invitational Research Planning Conference, by Calvin J. Cotrell, May, 1966	$2.00	ED 011 043 MF-$ .65, HC-$ 6.58
8	Evaluation and Program Planning in Agricultural Education, Report of a National Seminar, by James W. Hensel, 1966	--	ED 011 037 MF-$ .65, HC-$ 6.58
9	Health Occupations Education Centers, Report of a Seminar, by Grace L. Mangle, October, 1967	--	ED 016 823 MF-$ .65, HC-$ 3.29
10	Guidelines for Cooperative Education and Selected Materials from the National Seminar Held August 1-5, 1966, A Manual for the Further Development of Cooperative Education, by Harry Huffman, 1967	--	ED 011 044 MF-$ .65, HC-$ 9.87
11	Systems Under Development for Vocational Guidance, A Report of a Research Exchange Conference, by Robert E. Campbell and others, August, 1966	--	ED 011 039 MF-$ .65, HC-$ 3.29
12	Compilation of Technical Education Instructional Materials--Supplement I, compiled by C.J. Cotrell and I.E. Valentine, April, 1967	--	ED 012 340 MF-$ .65, HC-$ 6.58
13	Compilation of Technical Education Instructional Materials--Supplement II, compiled by C.J. Cotrell and I.E. Valentine, April, 1967	--	ED 011 933 MF-$ .65, HC-$ 9.87
14	Educational Media in Vocational and Technical Education, A Report of a National Seminar, by Calvin J. Cotrell and Edward F. Hauck, 1967	--	ED 017 730 MF-$ .65, HC-$ 9.87
15	Vocational-Technical Teacher Education--National Seminar Proceedings, by Neal E. Vivian and Kenneth E. Hoffman, 1967	$3.25	ED 020 431 MF-$ .65, HC-$ 9.87
16	National Program Development Institutes in Technical Education, Summer, 1967: A Compilation of Selected Presentations and Instructional Materials, by A.J. Miller and I.E. Valentine, February, 1968	--	ED 021 069 MF-$ .65, HC-$ 6.58
17	Second Annual National Vocational-Technical Teacher Education Seminar, by James W. Hensel and Garry R. Bice, January, 1969	$3.00	ED 027 424 MF-$ .65, HC-$ 6.58
18	Program, Planning, Budgeting Systems for Educators, Volume I: An Instructional Outline, by Joseph H. McGivney and William C. Nelson, August, 1969	--	ED 032 417 MF-$ .65, HC-$ 9.87
19	Program, Planning, Budgeting Systems for Educators, Volume II: A Case Problem, by Joseph H. McGivney and William C. Nelson, August, 1969	--	ED 032 418 MF-$ .65, HC-$ 6.58
20	National Conference on Research in Industrial Arts, by Alan R. Suess, April, 1969	--	ED 029 986 MF-$ .65, HC-$ 6.58
21	Manpower Information for Vocational Education Planning, A Conference Report, by Robert C. Young, November, 1969	$3.50	ED 035 716 MF-$ .65, HC-$ 6.58
22	A Plan for Research in Distributive Education, Report of a Research Planning Seminar, by Neal E. Vivian, November, 1969	$2.50	ED 035 720 MF-$ .65, HC-$ 3.29
23	Second National Leadership Development Seminar for State Directors of Vocational Education, by Darrell L. Ward and Aaron J. Miller, November, 1969	$3.50	ED 035 724 MF-$ .65, HC-$ 6.58
24	Third Annual National Vocational-Technical Teacher Education Seminar Proceedings: Teaching Disadvantaged Youth, by Edward T. Ferguson and Garry R. Bice, January, 1970	$2.50	ED 037 540 MF-$ .65, HC-$ 6.58

Series No.	Publication Title (LT)	Availability Center	Availability EDRS
25	Third Annual National Vocational-Technical Teacher Education Seminar Proceedings: Micro-Teaching and Video Recording, by Calvin J. Cotrell and Garry R. Bice, January, 1970	$2.50	ED 037 550 MF-$ .65, HC-$ 6.58
26	The National Conference on Post-Secondary Vocational-Technical Education, by Aaron J. Miller and Carroll R. Hyder, December, 1969	--	ED 037 552 MF-$ .65, HC-$ 9.87
27	Occupations and Education: Leaders in the Field Speak Out, Occupational Education Program Development Institutes for Post-Secondary Institutions, 1969	--	ED 041 127 MF-$ .65, HC-$ 3.29
28	Report of a National Vocational Education Seminar on the Administration of Research, by Robert E. Taylor and others, May, 1965	--	ED 011 546 MF-$ .65, HC-$ 6.58
29	A Suggested Guide for Post-Secondary Vocational and Technical Education, by Aaron J. Miller and Angelo C. Gillie, September, 1970	--	ED 047 083 MF-$ .65, HC-$ 3.29
30	A Seminar on Graduate Education Programs, by Joseph P. Arnold, November, 1970	--	ED 045 859 MF-$ .65, HC-$ 3.29
31	Proceedings of the National Research Conference on Consumer and Homemaking Education, by Anna M. Gorman, October, 1970	$2.75	ED 043 773 MF-$ .65, HC-$ 6.58
32	Third Annual National Leadership Development Seminar for State Directors of Vocational Education, Articulation of Vocational Education Planning with Comprehensive State Planning, by Darrell L. Ward and Edward N. Kazarian, January, 1971	$4.00	ED 047 148 MF-$ .65, HC-$ 3.29
33	Emerging Teacher Education Curricular Models, Fourth Annual National Vocational-Technical Teacher Education Seminar Proceedings, by Edward T. Gerguson, January, 1971	--	ED 047 162 MF-$ .65, HC-$ 6.58

BIBLIOGRAPHY SERIES (BB)

Series No.	Publication Title (BB)	Availability Center	Availability EDRS
1	Implications of Women's Work Patterns for Vocational and Technical Education: An Annotated Bibliography, by Sylvia L. Lee and others, October, 1967	$1.50	ED 016 826 MF-$ .65, HC-$ 3.29
2	Worker Adjustment: Youth in Transition from School to Work: An Annotated Bibliography of Recent Literature, by A.P. Garbin and others, 1968	--	ED 021 070 MF-$ .65, HC-$ 6.58
3	Program, Planning, Budgeting Systems for Educators, Volume III: An Annotated Bibliography, by Joseph H. McGivney and William C. Nelson, December, 1969	--	ED 035 756 MF-$ .65, HC-$ 3.29
4	Program, Planning, Budgeting Systems for Educators, Volume IV: A Research Bibliography, by William C. Nelson, March, 1970	$2.25	ED 038 512 MF-$ .65, HC-$ 6.58
5	The Change Process in Education: A Selected and Annotated Bibliography, by Gail J. Skelton and J.W. Hensel, 1970	--	ED 041 108 MF-$ .65, HC-$ 6.58
6	Bibliography of Research on Consumer and Homemaking Education, by Anna M. Gorman and Joel Magisos, June, 1970	--	ED 039 336 MF-$ .65, HC-$ 3.29
7	A Listing of Data Collection Instruments for Use in Research in Home Econ mics Education: 1962-1969, by Anna M. Gorman and Doris E. Manning, May, 1971	--	ED 050 275 MF-$ .65, HC-$ 6.58
	Abstracts of Research and Related Materials in Vocational and Technical Education (ARM)+		
	Fall, 67	--	ED 013 336 MF-$ .65, HC-$ 9.87
	Winter, 67	--	ED 015 335 MF-$ .65, HC-$ 6.58
	Spring, 68	--	ED 016 875 MF-$ .65, HC-$ 6.58
	Summer, 68	--	ED 019 525 MF-$ .65, HC-$ 9.87
	Fall, 68	--	ED 022 970 MF-$ .65, HC-$ 9.87
	Winter, 68	--	ED 027 437 MF-$ .65, HC-$ 9.87
	Spring, 69	--	ED 030 000 MF-$ .65, HC-$ 9.87
	Summer, 69	--	ED 031 586 MF-$ .65, HC-$ 9.87
	Fall, 69	--	ED 033 247 MF-$ .65, HC-$ 9.87
	Winter, 69	--	ED 036 654 MF-$ .65, HC-$ 9.87
	Spring, 70	--	ED 039 367 MF-$ .65, HC-$13.16
	Summer, 70	--	ED 042 036 MF-$ .65, HC-$ 9.87
	Fall, 70	--	ED 045 857 MF-$ .65, HC-$19.74
	Winter, 70	--	ED 048 516 MF-$ .65, HC-$ 9.87
	Spring, 71	--	VT 013 606 (See Sept. '71 RIE for ED number and EDRS prices)
	Abstracts of Instructional Materials in Vocational and Technical Education (AIM)+		
	Fall, 67	--	ED 013 337 MF-$ .65, HC-$ 6.58
	Winter, 67	--	ED 015 336 MF-$ .65, HC-$ 6.58
	Spring, 68	--	ED 017 745 MF-$ .65, HC-$ 6.58

PUBLICATIONS (cont.)

Series No.	Publication Title (BB)	Center	Availability EDRS
	Summer, 68	--	ED 020 441 MF-$ .65, HC-$ 6.58
	Fall, 68	--	ED 023 936 MF-$ .65, HC-$ 6.58
	Winter, 68	--	ED 028 302 MF-$ .65, HC-$ 6.58
	Spring, 69	--	ED 030 769 MF-$ .65, HC-$ 6.58
	Summer, 69	--	ED 032 433 MF-$ .65, HC-$ 6.58
	Fall, 69	--	ED 034 075 MF-$ .65, HC-$ 6.58
	Winter, 69	--	ED 037 584 MF-$ .65, HC-$ 6.58
	Spring, 70	--	ED 041 159 MF-$ .65, HC-$ 6.58
	Summer, 70	--	ED 042 930 MF-$ .65, HC-$ 6.58
	Fall, 70	--	ED 045 853 MF-$ .65, HC-$ 6.58
	Winter, 70	--	ED 048 514 MF-$ .65, HC-$ 6.58
	Spring, 71	--	VT 013 648 (See Oct. '71 RIE for ED number and EDRS prices)
	AIM-ARM Annual Index+		
	1967-68	--	ED 022 664 MF-$ .65, HC-$ 6.58
	1968-69	--	ED 036 652 MF-$ .65, HC-$ 6.58
	1969-70	--	ED 042 929 MF-$ .65, HC-$ 6.58

+ Single copies are available only in microfiche and hard copy reproduction form from EDRS, ordering by ED numbers and prices shown. ARM and AIM are normally obtained by subscription. Subscriptions may be initiated with any issue, Fall, 68, or later.

INFORMATION SERIES (IN)

Series No.	Publication Title (IN)	Availability Center	Availability EDRS
1	Review and Synthesis of Research in Agricultural Education, by J. Robert Warmbrod and Lloyd J. Phipps, August, 1966	$1.50	ED 011 562 MF-$ .65, HC-$ 6.58
2	Review and Synthesis of Research in Business and Office Education by Frank W. Lanham and J.M. Trytten, August, 1966	--	ED 011 566 MF-$ .65, HC-$ 6.58
3	Review and Synthesis of Research in Distributive Education, by Warren G. Meyer and William B. Logan, August, 1966	--	ED 011 565 MF-$ .65, HC-$ 9.87
4	Review and Synthesis of Research in Home Economics Education, by Hester Chadderdon and Alyce M. Fanslow, August, 1966	--	ED 011 563 MF-$ .65, HC-$ 6.58
5	Review and Synthesis of Research in Industrial Arts Education, by Jerry Streichler, August, 1966	--	ED 011 564 MF-$ .65, HC-$ 6.58
6	Review and Synthesis of Research in Technical Education, by Milton E. Larson, August, 1966	$1.50	ED 011 559 MF-$ .65, HC-$ 3.29
7	Review and Synthesis of Research in Trade and Industrial Education, by Bruce W. Tuckman and Carl J. Schaefer, August, 1966	--	ED 011 560 MF-$ .65, HC-$ 3.29
8	Review and Synthesis of Research on the Economics of Vocational Education, by J. Robert Warmbrod, November, 1968	$1.50	ED 023 937 MF-$ .65, HC-$ 3.29
9	Review and Synthesis of Research in Health Occupations Education, by Lewis D. Holloway and Elizabeth E. Kerr, May, 1969	$2.75	ED 029 982 MF-$ .65, HC-$ 3.29
10	Review and Synthesis of Research in Industrial Arts Education, Second Edition, by Daniel L. Householder and Alan R. Suess, October, 1969	$2.25	ED 034 898 MF-$ .65, HC-$ 3.29
11	Review and Synthesis of Research in Trade and Industrial Education, Second Edition, by Albert J. Pautler and Carl J. Schaefer, September, 1969	$2.25	ED 036 638 MF-$ .65, HC-$ 3.29
12	Review and Synthesis of Research: Analysis for Curriculum Development in Vocational Education, by Milton E. Larson, October, 1969	$1.75	ED 035 746 MF-$ .65, HC-$ 3.29
13	Review and Synthesis of Research in Technical Education, Second Edition, by Donald S. Phillips and Lloyd D. Briggs, October, 1969	$2.25	ED 036 639 MF-$ .65, HC-$ 3.29
14	Review and Synthesis of Research on the Administration of Vocational and Technical Education, by Ralph C. Wenrich, March, 1970	$2.25	ED 037 542 MF-$ .65, HC-$ 3.29
15	Review and Synthesis of Research on the Placement and Follow-Up of Vocational Education Students, by J. Kenneth Little, February, 1970	$1.75	ED 037 543 MF-$ .65, HC-$ 3.29
16	Review and Synthesis of Research on Vocational Education in Rural Areas, by B. Eugene Griessman and Kenneth G. Densley, December, 1969	$1.75	ED 034 632 MF-$ .65, HC-$ 3.29
17	Review and Synthesis of Research on Distributive Education, 1966-1968, Second Edition, by Richard D. Ashmun and Roger A. Larson, January, 1970	$2.25	ED 038 498 MF-$ .65, HC-$ 3.29
18	Review and Synthesis of Research in Business and Office Education, Second Edition, by Ray G. Price and Charles R. Hopkins, April, 1970	$2.25	ED 038 520 MF-$ .65, HC-$ 6.58
19	Review and Synthesis of Research on Home Economics Education, Second Edition, by Helen Y. Nelson, April, 1970	$1.75	ED 038 519 MF-$ .65, HC-$ 3.29
20	Review and Synthesis of Research in Agricultural Education, Second Edition, by Earl T. Carpenter and John H. Rodgers, May, 1970	$2.25	ED 040 275 MF-$ .65, HC-$ 3.29
21	Review and Synthesis of Research on Cooperative Vocational Education, by Harold R. Wallace, May, 1970	$2.25	ED 040 274 MF-$ .65, HC-$ 6.58
22	Review and Synthesis of Research and Developmental Activities Concerning State Advisory Councils on Vocational Education, by Joseph Ray Clary, September, 1970	$1.75	ED 043 744 MF-$ .65, HC-$ 3.29
23	Interpretation of Literature on Career Ladders and Lattices in Health Occupations Education, by Jean Kintgen, September, 1970	$1.75	ED 042 919 MF-$ .65, HC-$ 3.29
24	Review and Analysis of Curricula for Occupations in Construction, by Wiley B. Lewis, October, 1970	$1.50	ED 044 496 MF-$ .65, HC-$ 3.29
25	Review and Analysis of Curricula for Occupations in Metalworking, by Thomas R. Snyder and Roy L. Butler, October, 1970	$1.50	ED 044 495 MF-$ .65, HC-$ 3.29
26	Working with Opinion Leaders to Accelerate Change in Vocational-Technical Education, by Garry R. Bice, November, 1970	$1.50	ED 044 502 MF-$ .65, HC-$ 3.29
27	Review and Analysis of Curricula for Occupations in Health, by Wiley B. Lewis, November, 1970	$1.50	ED 044 507 MF-$ .65, HC-$ 3.29

PUBLICATIONS (cont.)

Series No.	Publication Title (IN)	Center	Availability EDRS
28	Review and Analysis of Curricula for Occupations in Transportation, by Wiley B. Lewis, December, 1970	$1.50	ED 045 814 MF-$ .65, HC-$ 3.29
29	Review and Analysis of Curricula for Occupations in Public Services, by Wiley B. Lewis, November, 1970	$1.50	ED 045 813 MF-$ .65, HC-$ 3.29
30	Review and Analysis of Curricula for Occupations in Environmental Control, by Wiley B. Lewis, December, 1970	$1.50	ED 045 817 MF-$ .65, HC-$ 3.29
31	Review and Synthesis of Literature on Residential Schools in Vocational and Technical Education, by Catharine P. Warmbrod, December, 1970	$1.50	ED 045 821 MF-$ .65, HC-$ 3.29
32	Review and Analysis of Curricula for Occupations in Food Processing and Distribution, by Wiley B. Lewis, December, 1970	$1.50	ED 045 820 MF-$ .65, HC-$ 3.29
33	Review and Synthesis of Research on Consumer and Homemaking Education, by Lena C. Bailey, April, 1971	$2.50	ED 048 482 MF-$ .65, HC-$ 3.29

CENTER RELATED SERIES (CR)

Series No.	Publication Title (CR)	Availability Center	Availability EDRS
1	Agricultural Chemicals Technology (Course outline and eight modules), by Jerry Halterman and others, 1965	$6.75	ED 013 894-- 013 902++
2	Agricultural Machinery--Service Occupations (Course outline and sixteen modules), by Alan Kahler and others, 1965	--	ED 012 761-- 012 777++
3	Agricultural Supply--Sales and Service Occupations (Course outline and twelve modules), by J.H. Lintner and others, 1965	$7.00	ED 015 232-- 015 241++
4	Horticulture--Service Occupations (Course outline and twelve modules), by James Utzinger and others, 1965	--	ED 013 290-- 013 302++
5	Occupational Guidance for Off-Farm Agriculture, by Glenn Z. Stevens, December, 1965	$0.60	ED 011 030 MF-$ .65, HC-$ 3.29
6	Organizing to Provide Agricultural Education for Off-Farm Occupations, by Herbert M. Hamlin, August, 1965	--	ED 011 032 MF-$ .65, HC-$ 3.29
7	Planning and Conducting Cooperative Occupational Experience in Off-Farm Agriculture, by Harold Anderson, August, 1965	--	ED 011 035 MF-$ .65, HC-$ 6.58
8	Policy and Administrative Decisions Needed When Introducing Vocational and Technical Education in Agriculture for Off-Farm Occupations, by Herbert M. Hamlin, August, 1965	$0.75	ED 011 033 MF-$ .65, HC-$ 3.29
9	Summary of Research Findings in Off-Farm Agricultural Occupations, August, 1965	--	ED 015 245 MF-$ .65, HC-$ 3.29
10	Vocational and Technical Education in Agriculture for Off-Farm Occupations, by Herbert M. Hamlin, August, 1965	$0.75	ED 011 034 MF-$ .65, HC-$ 3.29
11	Involvement: Inservice Business Teacher Programs Leading to a Better Understanding of Students with Special Needs, by Estelle L. Popham, John Kusher, and Jean Larson, Summer, 1968	--	ED 028 255 MF-$ .65, HC-$ 6.58
12	Changing Undergraduate Business Teacher Education Programs to Prepare Teachers for Culturally Different Youth, by Robert A. Schultheis and Alvin Vaughn, June, 1968	--	ED 024 837 MF-$ .65, HC-$ 6.58
13	Cross-Cultural Values in Office Education with Emphasis on In-Service Teacher Education, by William L. Winnett, September, 1968	--	ED 029 089 MF-$ .65, HC-$ 3.29
14	Business Education for the Emergent Office, by Harry Huffman and Dale D. Gust, June, 1970	--	ED 043 754 MF-$ .65, HC-$ 6.58

++Each course outline and module has a separate ED number and EDRS price. Additional information may be obtained from The Center, Dissemination Specialist.